



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

PCI Industries Inc d/b/a Pottorff
5101 Blue Mound Road
Fort Worth, TX 76106

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model EFD-637-MD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. DC-C1, G1, E1 to E6, D1 to D5 and B1 and B2, titled "EFD-637-MD", sheets 1 through 15 of 15, dated 12/17/2010, with revision 1 dated 06/09/2011, prepared by PCI Industries Inc d/b/a Pottorff, signed and sealed by L. David Rice, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA # 11-0429.03 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
01/30/2014

NOA No. 11-1117.21
Expiration Date: February 19, 2019
Approval Date: February 6, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS *"Submitted under NOA # 11-0429.03"*

1. Drawing No. DC-C1, G1, E1 to E6, D1 to D5 and B1 and B2, titled "EFD-637-MD", sheets 1 through 15 of 15, dated 12/17/2010, with revision 1 dated 06/09/2011, prepared by PCI Industries Inc d/b/a Pottorff, signed and sealed by L. David Rice, P.E.

B. TESTS *"Submitted under NOA # 11-0429.03"*

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a Model EFD-637-MD Aluminum Louver, prepared by Architectural Testing, Inc, Test Report No. A1622.01-801-18, dated 12/03/2010, signed and sealed by Joseph A. Reed, P.E.

"Submitted under NOA # 03-0925.05"

2. Test report on Large Missile Impact Test per PA 201, Test, Cyclic Wind Pressure Test per PA 203, Test and Uniform Static Air Pressure Test per PA 202 of "Model 637-EDT-HD Louver", prepared by Architectural Testing Inc, Report No. 01-40871.01, dated 09/11/2002, signed and sealed by A. N. Reeves, P.E.
3. Clarification letter issued by Architectural Testing Inc, on 05/27/2003, signed by J. A. Reed, P.E.

C. CALCULATIONS *"Submitted under NOA # 11-0429.03"*

1. EFD-637-MD Louver calculations prepared by Rice Engineering, dated 04/21/2011, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC issued by Rice Engineering, dated 11/13/2013, signed and sealed by L. David Rice, P.E.

"Submitted under NOA # 11-0429.03"

2. No financial interest letter issued by Rice Engineering, dated 03/30/2011, signed and sealed by L. David Rice, P.E.



01/30/2014

Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 11-1117.21

Expiration Date: February 19, 2019

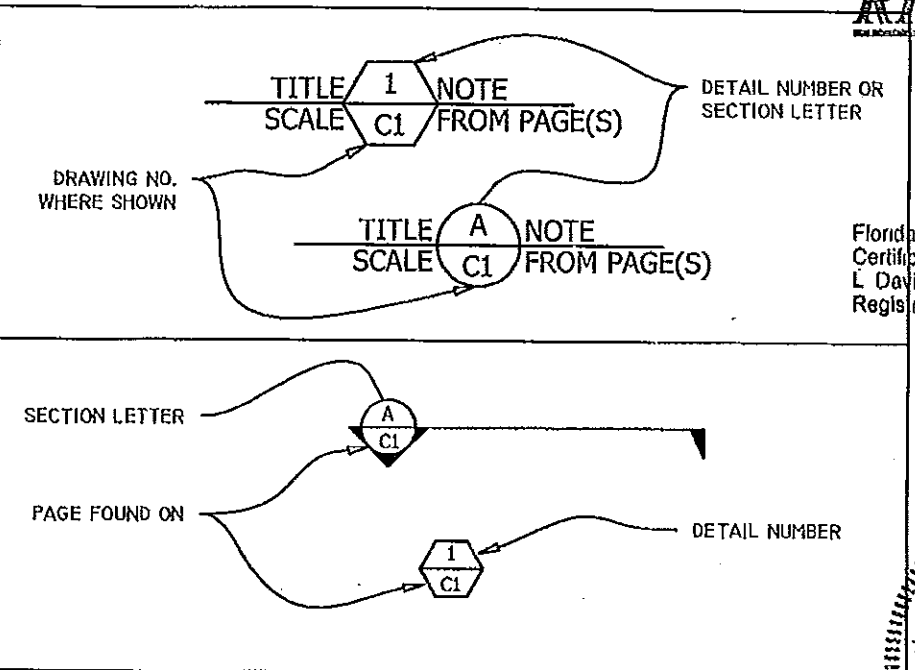
Approval Date: February 6, 2014

NOTES:

1. THIS NOA DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES OF 80 AND 150 PSF AS TESTED IN ACCORDANCE TO TAS 201, TAS 202, AND TAS 203.
2. ALL VARIATIONS ARE LARGE MISSILE IMPACT RESISTANT.
3. UNITS OF MEASURE ARE FRACTIONAL INCHES UNLESS OTHERWISE SPECIFIED.
4. IT IS ASSUMED THAT THE LOUVER SYSTEMS DO NOT SUPPORT ANY LOADS TRANSFERRED FROM THE BUILDING CONDITION.
5. IT IS ASSUMED THAT THE BUILDING CONDITIONS ARE ADEQUATELY DESIGNED TO SUPPORT LOADS IMPARTED BY THE LOUVER SYSTEM.
6. INSTALLER TO PROVIDE GASKET MATERIAL BETWEEN DISSIMILAR MATERIALS IN ORDER TO PROTECT FROM CORROSION.
7. THIS LOUVER IS TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
8. OTHER BUILDING CONDITIONS THAN THOSE DENOTED CAN BE UTILIZED IF ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.
9. MULTI-SECTION WIDE AND HIGH LOUVER SYSTEMS ARE ALLOWABLE PROVIDED THE INDIVIDUAL SECTIONS ARE SUPPORTED PER THE DETAILS ON THIS DRAWING AND A SUITABLE SUPPORT STRUCTURE IS ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.

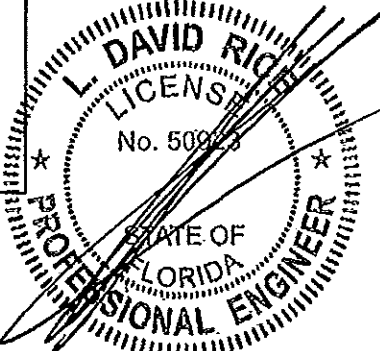
| TABLE 1 | | |
|---------------------------------|-------------|-------------|
| SINGLE SECTION SIZE LIMITATIONS | | |
| MAX DESIGN PRESSURE | MIN (W X H) | MAX (W X H) |
| 80 PSF | 12 X 12 | 48 X 144 |
| 150 PSF | 12 X 12 | 48 X 144 |

| TABLE 2 | |
|--|--------------------|
| MULTIPLE SECTION SIZE LIMITATIONS (MAX DESIGN PRESSURE: 80 & 150 PSF) | |
| LOUVER SYSTEM CONFIGURATION: | NOTE: |
| SINGLE SECTION WIDE - UNLIMITED HEIGHT | SEE SHEET E2 |
| SINGLE SECTION HIGH - UNLIMITED WIDTH | SEE SHEETS E3 & E4 |
| MULTI-SECTION WIDE - MULTI-SECTION HIGH | SEE NOTE 9 |



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Certificate of Authorization: #9090
L. David Rice
Registration No: 50923



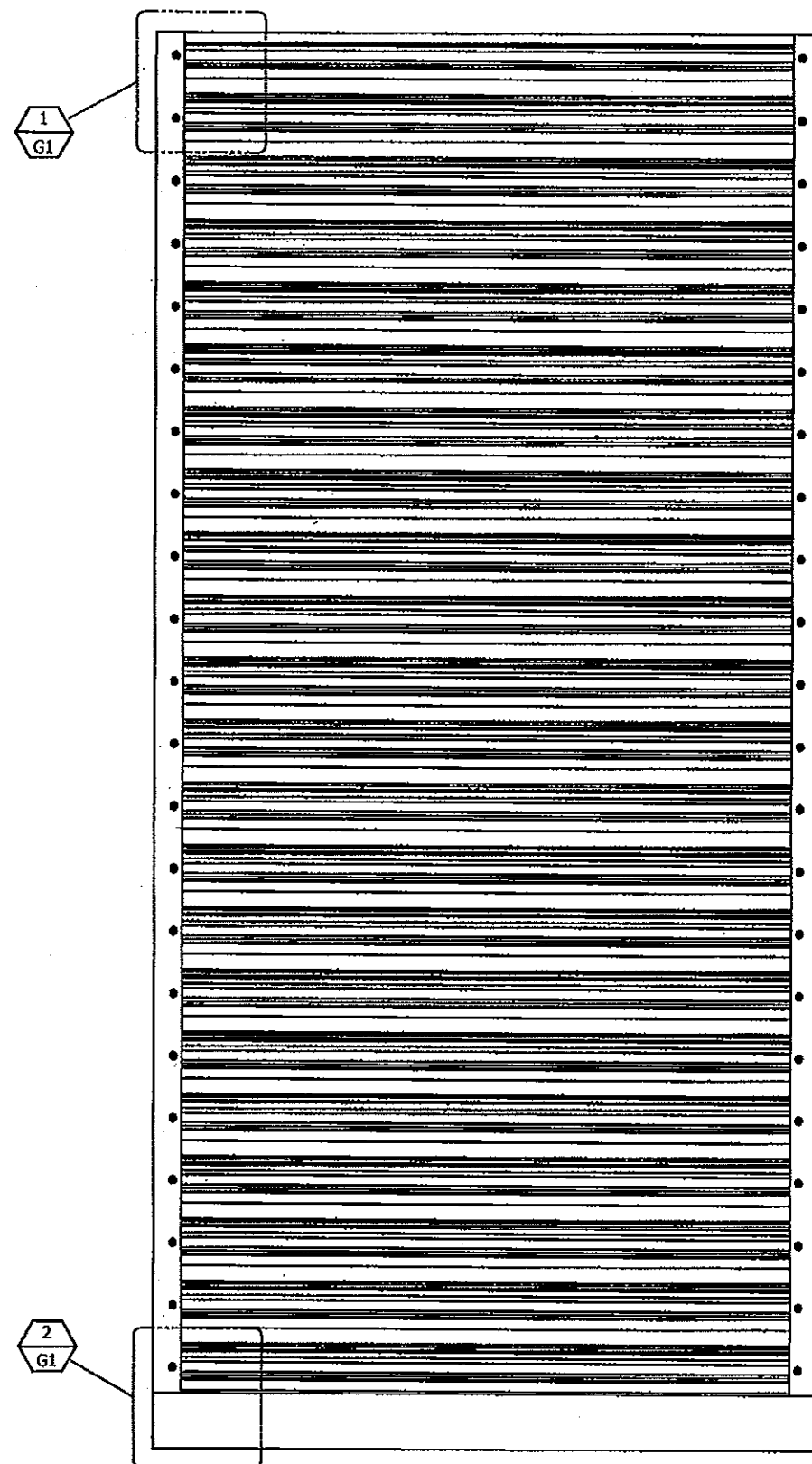
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as complying with the Florida
Building Code
Acceptance No. 11-1117.21
Expiration Date 22/19/2019
By *[Signature]*
Miami Dade Product Control

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| | | | | | |
|---------------------------|-----------------|---|----------------------|--|--|
| POTTORFF® | | 5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110 | | | |
| DRAWING DESC.: COVER PAGE | | | | | |
| PROJECT: EFD-637-MD | | | | | |
| LOCATION: | | | | | |
| ARCHITECT: | | | | | |
| CUSTOMER: | | | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | | |
| SCALE: N/A | SHEET: 01 of 15 | DRAWING NO. DC-C1 | | | |

| FILE: | | | |
|----------|------------------------------|--------|----------|
| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |
| REV. NO. | DESCRIPTION | DATE | DRAWN BY |

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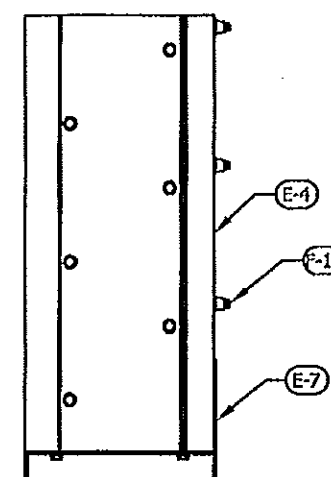
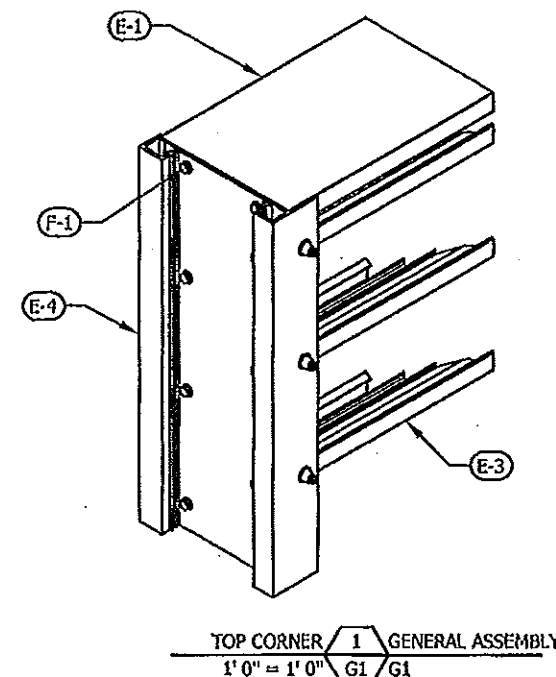
INTERIOR ELEVATION

FILE:

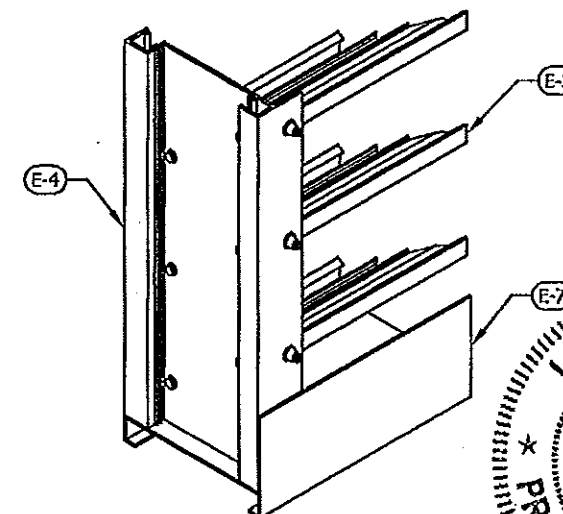
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| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |

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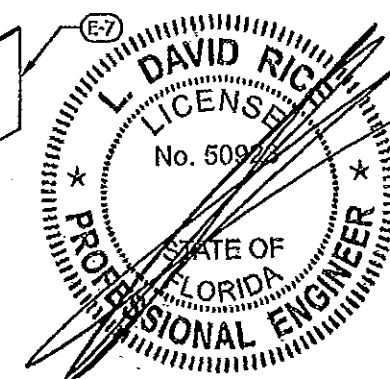


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BTM CORNER 2 GENERAL ASSEMBLY
1' 0" = 1' 0" G1 G1

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DRAWING DESC.: GENERAL LOUVER ASSEMBLY

PROJECT: EFD-637-MD

LOCATION:

ARCHITECT:

CUSTOMER:

DATE: 12/17/2010

DWN BY: TB

POTTORFF
ORDER NO.

CUSTOMER
P.O. NO.

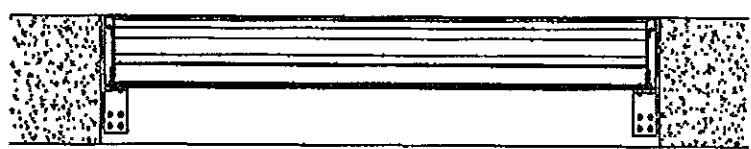
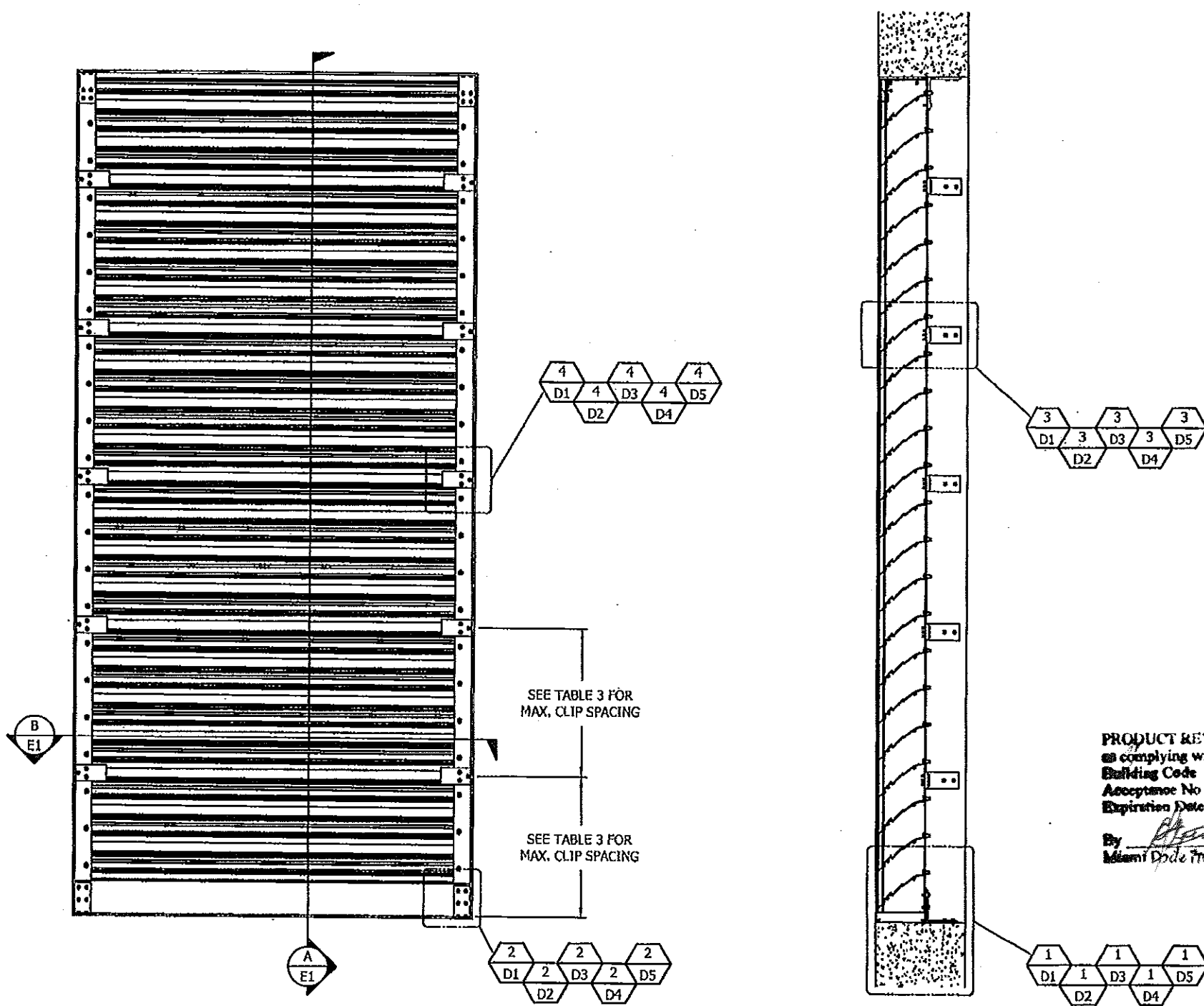
DRAWING NO.

SCALE: 1" = 1' 0"

SHEET: 02 of 15

DC-G1

| TABLE 3 | | | | |
|--|-------|---|----------------------------------|------------|
| VERTICAL JAMB CLIP ANGLE SPACING | | | | |
| BUILDING CONDITION - MAXIMUM CLIP ANGLE SPACING (INCH) | | | | |
| MAX DESIGN PRESSURE | STEEL | 4000 PSI CONCRETE (PRE-CAST OR CAST IN PLACE) | 2000 PSI GROUT FILLED BEAM BLOCK | WOOD BLOCK |
| 80 PSF | 34.0 | 34.0 | 20.0 | N/A |
| 150 PSF | 20.0 | 20.0 | 20.0 | 20.0 |

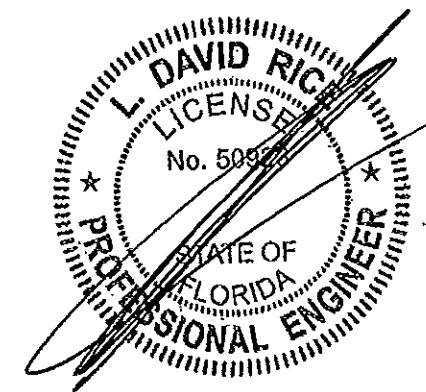


SINGLE SECTION WIDE $\frac{3}{4}''=1'$ **B** 80 & 150 PSF RATED
E1

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**SINGLE SECTION
INTERIOR ELEVATION**
(MASONRY CONDITION SHOWN FOR REFERENCE ONLY)

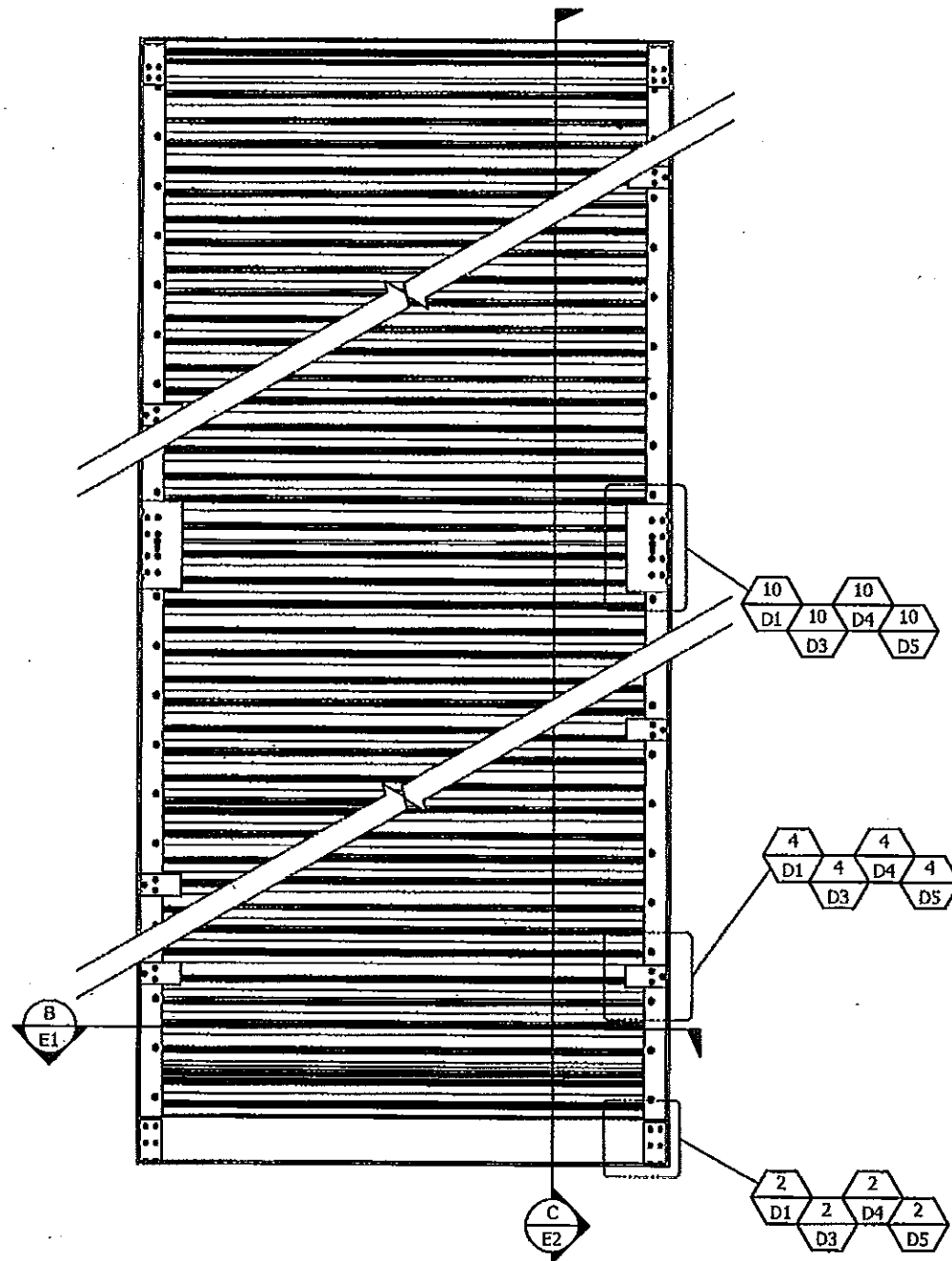
SINGLE SECTION HIGH $\frac{3}{4}''=1'$ **A** 80 & 150 PSF RATED
E1, E3, E4

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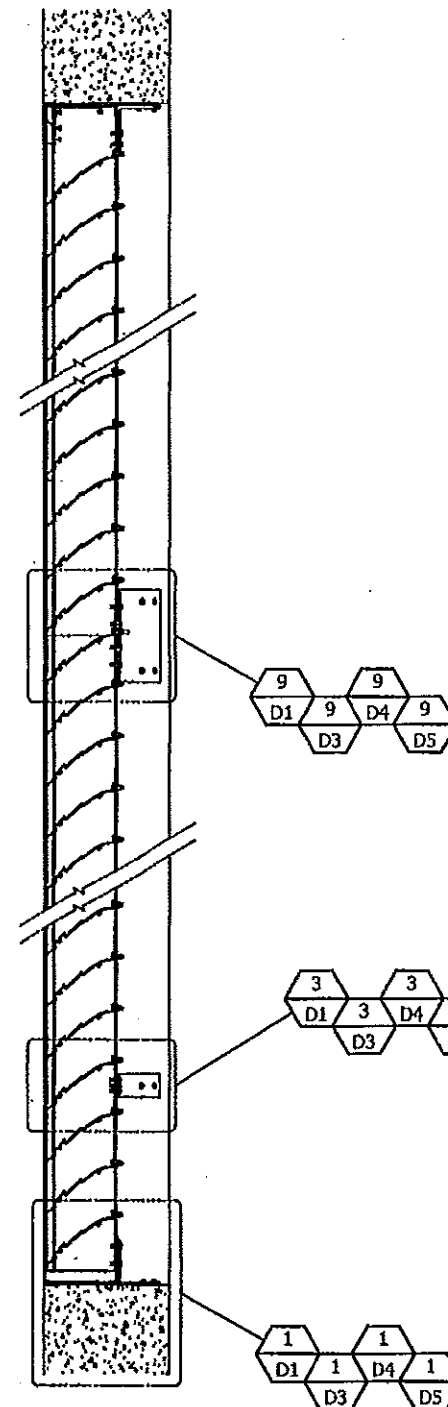
| | | | | |
|---|-----------------|---|----------------------|----------------------|
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| DRAWING DESC.: SINGLE SECTION WIDE - SINGLE SECTION HIGH (80 & 150 PSF) | | | | |
| PROJECT: EFD-637-MD | | | | |
| LOCATION: | | | | |
| ARCHITECT: | | | | |
| CUSTOMER: | | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | DRAWING NO. DC-E1 |
| SCALE: $\frac{3}{4}''=1'0''$ | SHEET: 03 of 15 | | | |

| FILE: | | | |
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UNLIMITED SECTIONS HIGH
INTERIOR ELEVATION
(MASONRY CONDITION SHOWN FOR REFERENCE ONLY)

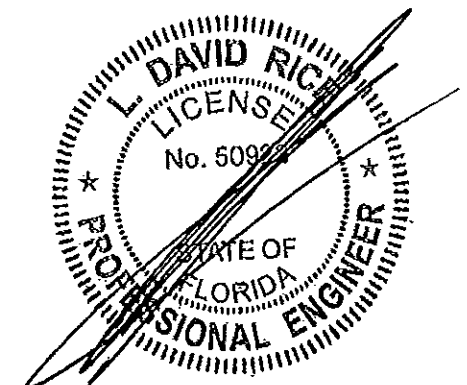


UNLIMITED SECTIONS HIGH $\frac{3}{4}''=1'$ C 150 PSF ONLY
E2

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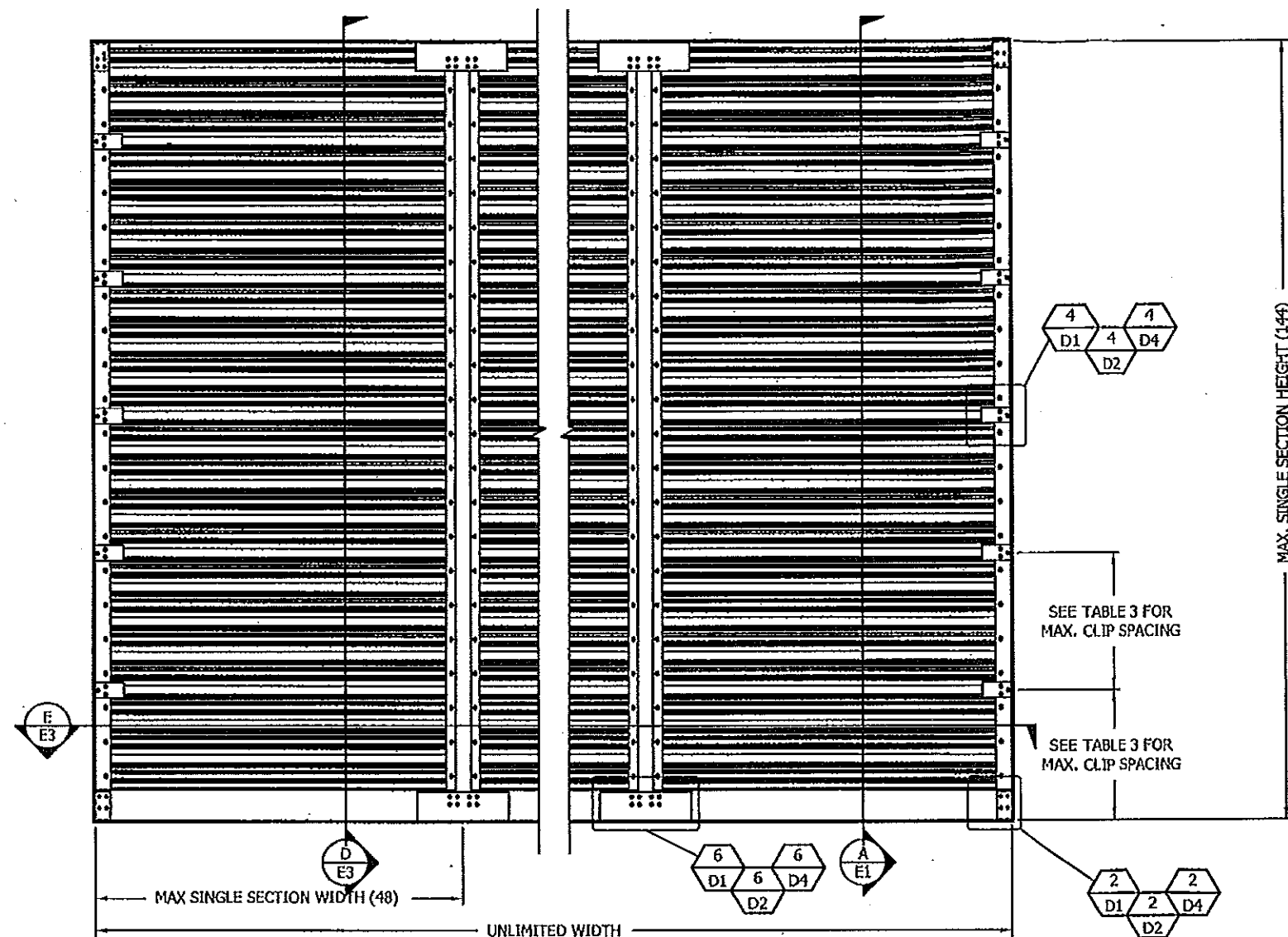
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| | | | | |
|--|-----------------|---|----------------------|----------------------|
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| DRAWING DESC.: SINGLE SECTION WIDE - UNLIMITED HIGH (150 PSF ONLY) | | | | |
| PROJECT: EFD-637-MD | | | | |
| LOCATION: | | | | |
| ARCHITECT: | | | | |
| CUSTOMER: | | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | DRAWING NO. DC-E2 |
| SCALE: 3/4" = 1' 0" | SHEET: 04 of 15 | | | |

FILE:

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| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |

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80 PSF INTERIOR ELEVATION
(MASONRY CONDITION SHOWN FOR REFERENCE ONLY)



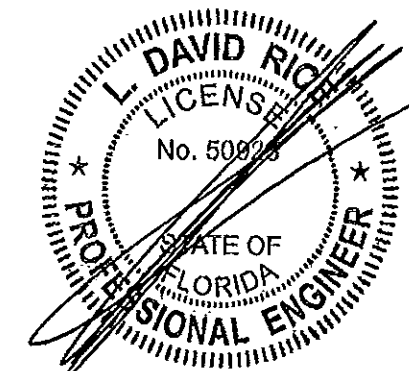
MULTIPLE SECTIONS WIDE $\frac{3}{4}'' = 1' 0''$ 80 PSF RATED
E3

SINGLE SECTION HIGH $\frac{3}{4}'' = 1' 0''$ 80 PSF RATED
D E3

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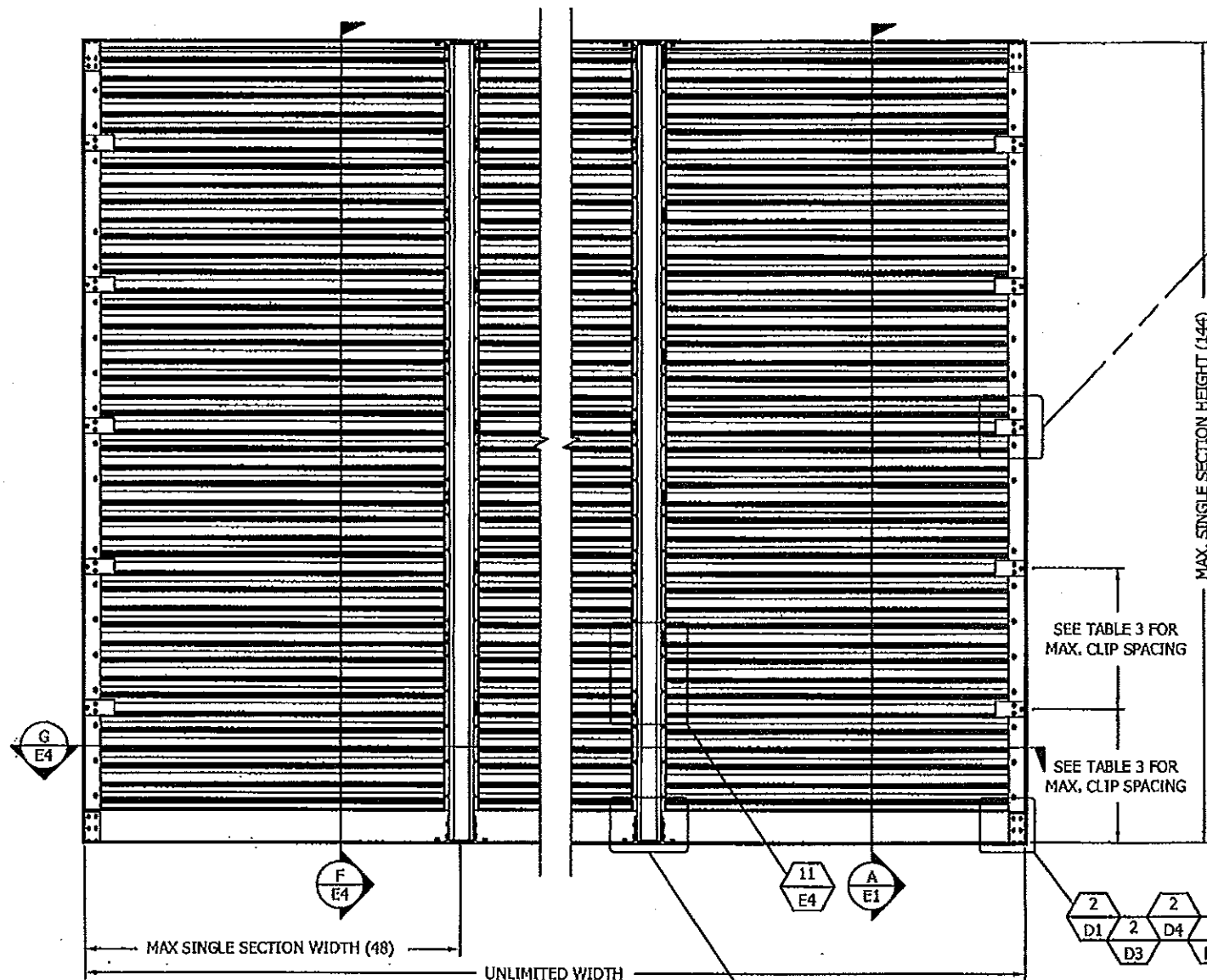


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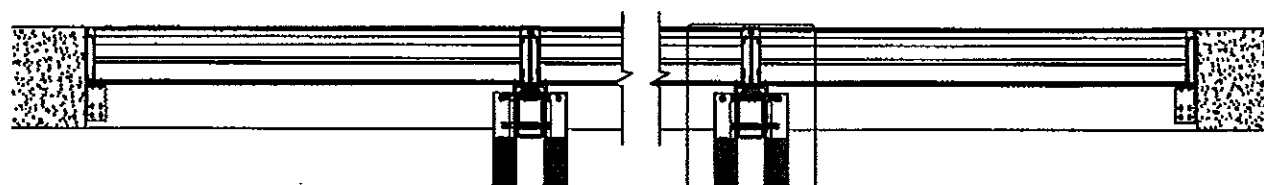
| | | | | |
|---|-----------------|---|----------------------|----------------------|
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| DRAWING DESC.: UNLIMITED SECTIONS WIDE - SINGLE SECTION HIGH (80 PSF) | | | | |
| PROJECT: EFD-637-MD | | | | |
| LOCATION: | | | | |
| ARCHITECT: | | | | |
| CUSTOMER: | | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | DRAWING NO. DC-E3 |
| SCALE: AS NOTED | SHEET: 05 of 15 | | | |

| | | | |
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| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |
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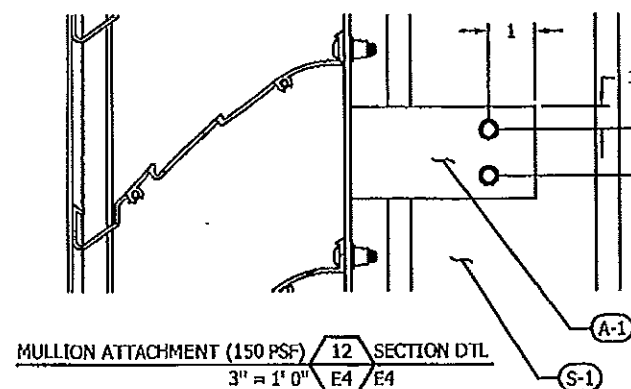


150 PSF INTERIOR ELEVATION
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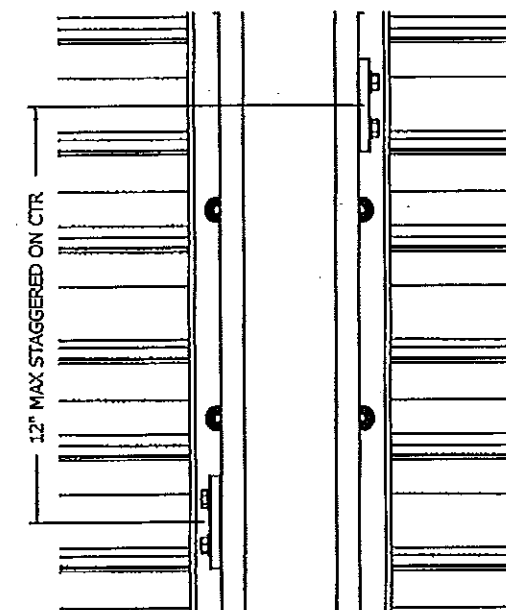


MULTIPLE SECTIONS WIDE
3/4" = 1' 0" **G** **E4** **150 PSF** **E4**

NOTE: UNITS REQUIRE AN EXPANDED ALUMINUM SCREEN WITH SCREEN FRAME (E-13) INSTALLED BEHIND THE BLADES.



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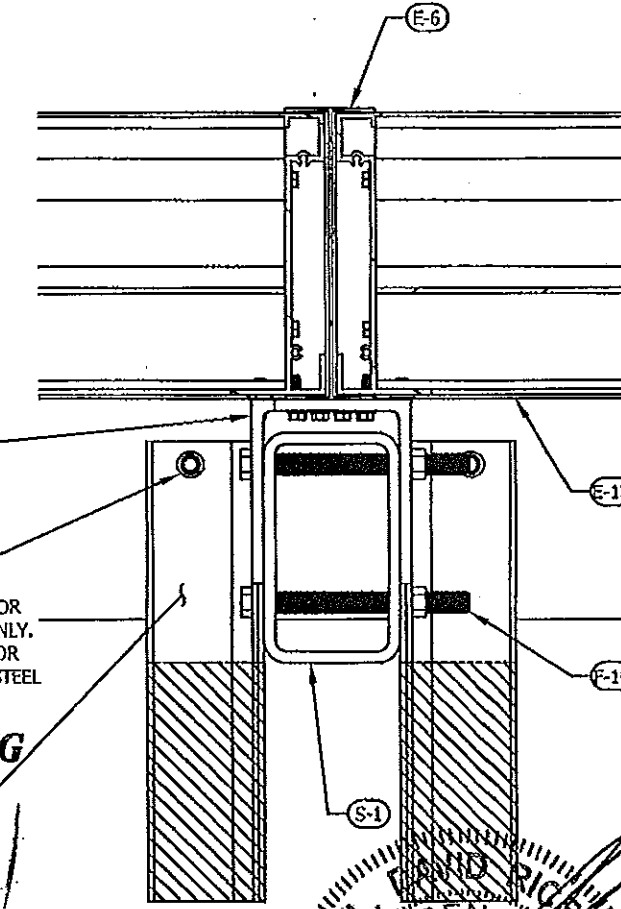
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Acceptance No 11-0429.03
Expiration Date 02/19/2014

By *[Signature]*
Miami Dade Product Control

By *[Signature]*
Miami Dade Product Control

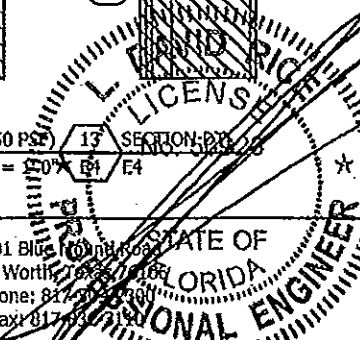


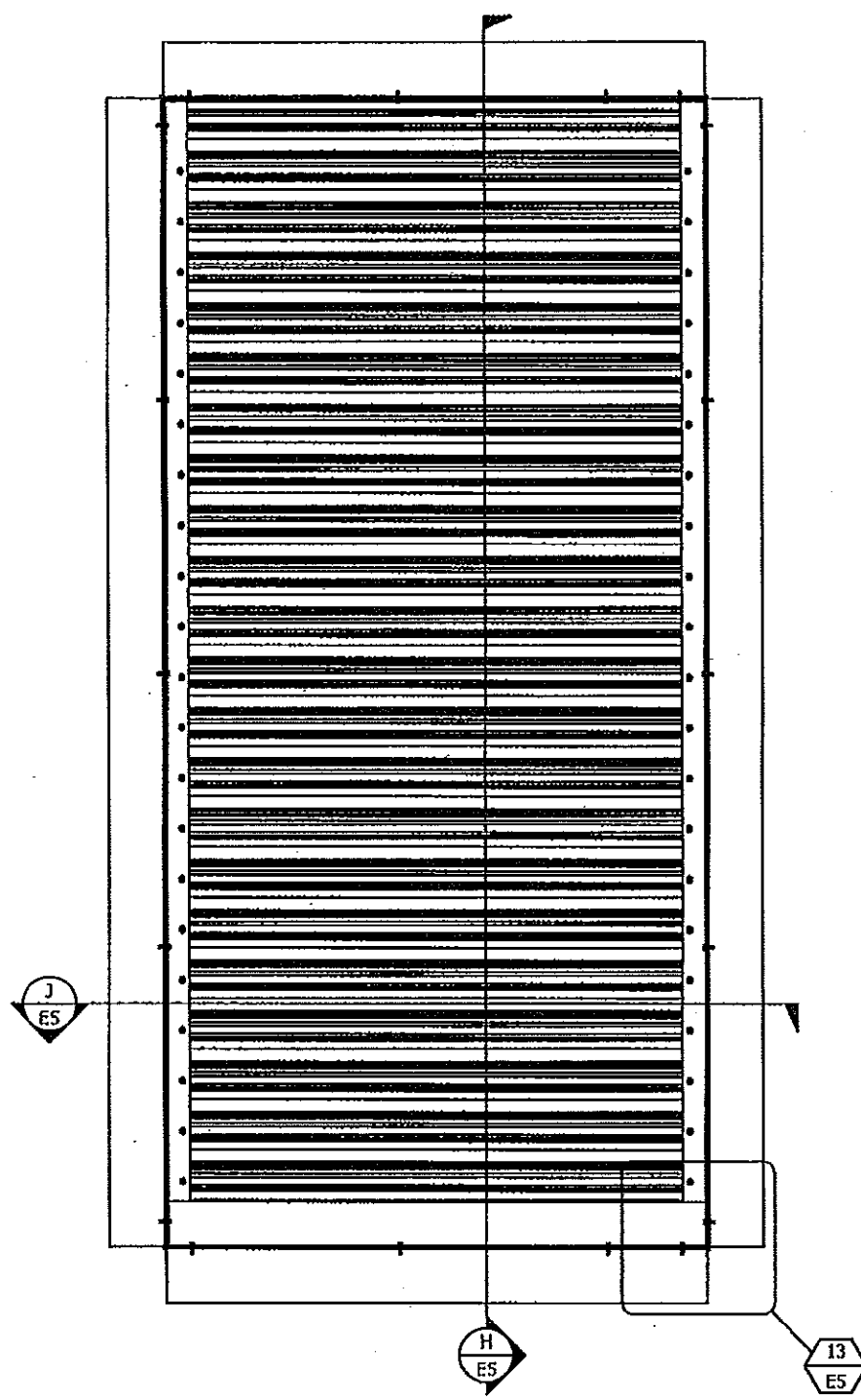
POTTORFF®

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Fort Worth, TX 76102
Phone: 817-335-1111
Fax: 817-335-1112

| | | | | |
|--|-----------------|--------------------|-------------------|-------------|
| DRAWING DESC.: UNLIMITED SECTIONS WIDE - SINGLE SECTION HIGH (150 PSF) | | | | |
| PROJECT: EFD-637-MD | | | | |
| LOCATION: | | | | |
| ARCHITECT: | | | | |
| CUSTOMER: | | | | |
| DATE: 12/17/2010 | OWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | DRAWING NO. |
| SCALE: AS NOTED | SHEET: 06 of 15 | | | DC-E4 |

| | | | |
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| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |
| REV. NO. | DESCRIPTION | DATE | DRAWN BY |





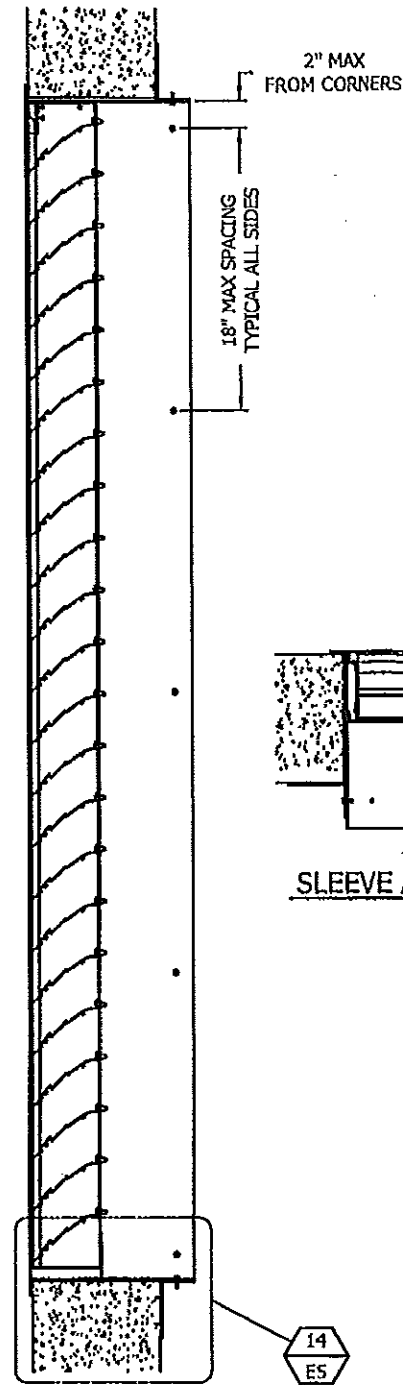
INTERIOR ELEVATION
(MASONRY CONDITION SHOWN FOR REFERENCE ONLY)

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as complying with the Florida
Building Code
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Expiration Date 22/19/2014
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as complying with the Florida
Building Code
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Expiration Date 22/19/2014
By *[Signature]*
Miami Dade Product Control

FILE:

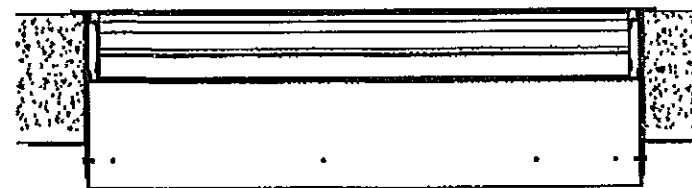
| REV. NO. | DESCRIPTION | DATE | DRAWN BY |
|----------|------------------------------|--------|----------|
| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |



SLEEVE ATTACHMENT H 150 PSF ONLY
3/4"=1' E5 E5

- NOTE:
1) SLEEVED OPTION AVAILABLE ON SINGLE SECTION LOUVER ONLY
2) NO MECHANICAL FASTENING TO BUILDING CONDITION REQUIRED FOR SLEEVE

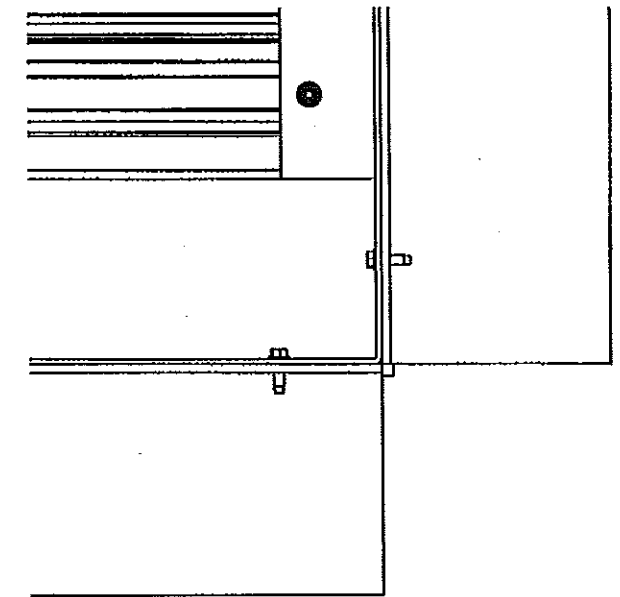
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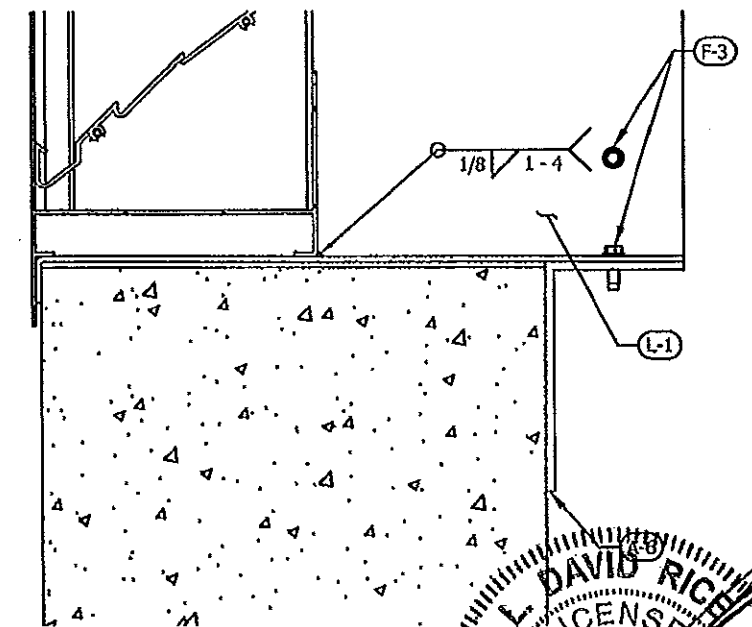
SLEEVE ATTACHMENT J 150 PSF ONLY
3/4"=1' E5 E5

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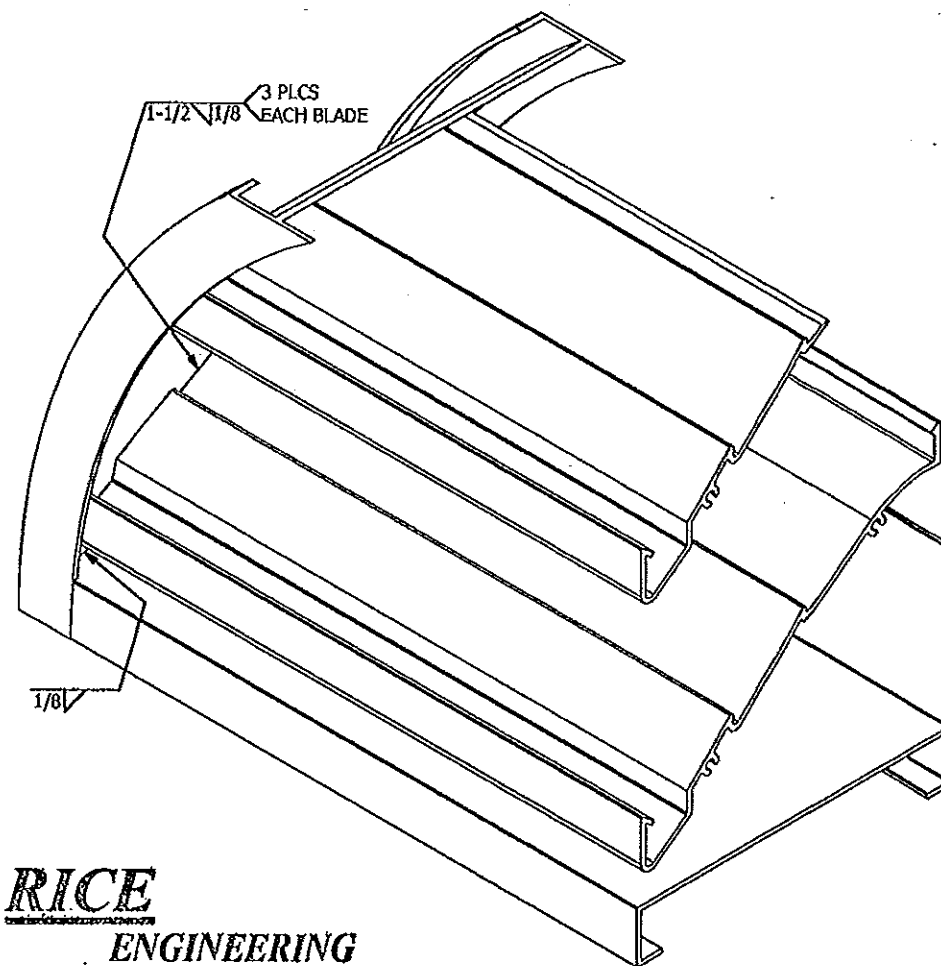
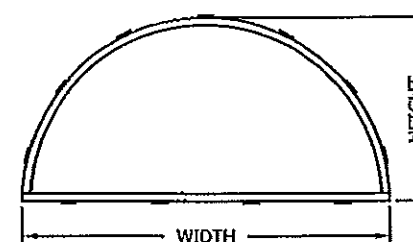
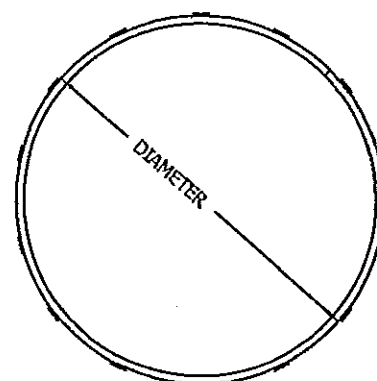
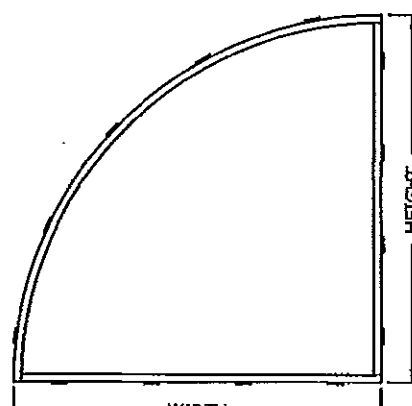
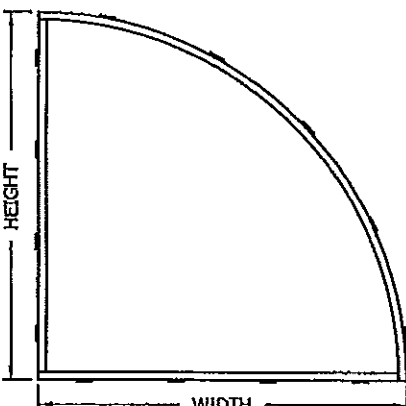
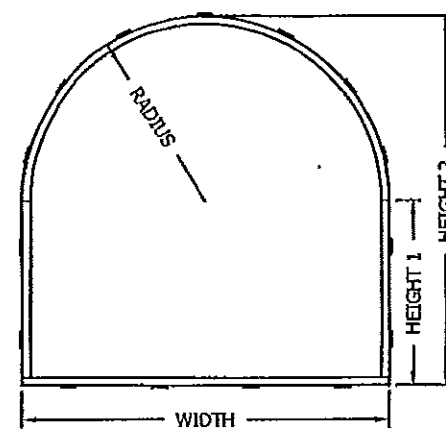
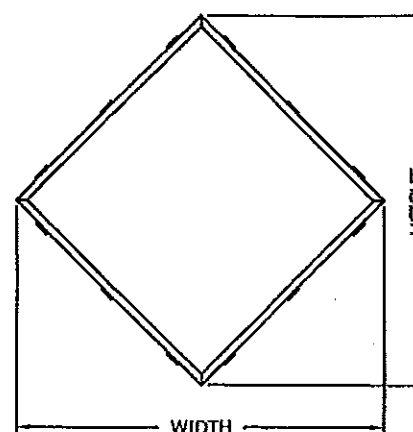
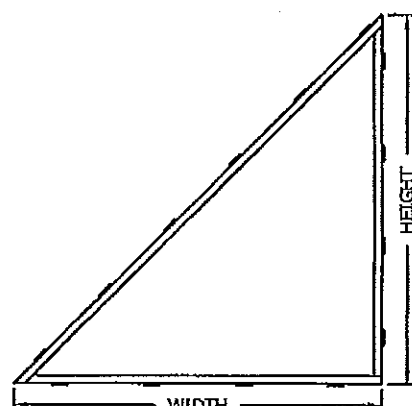
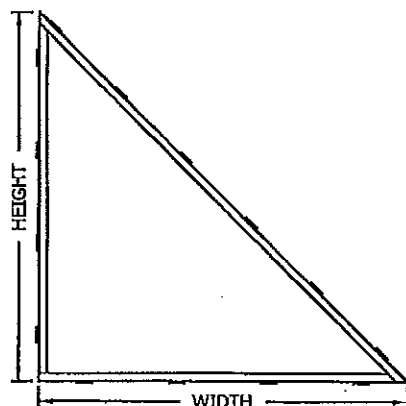
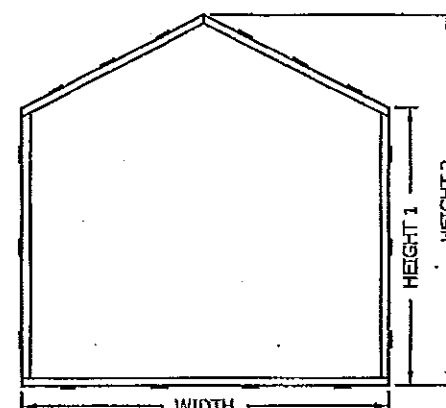
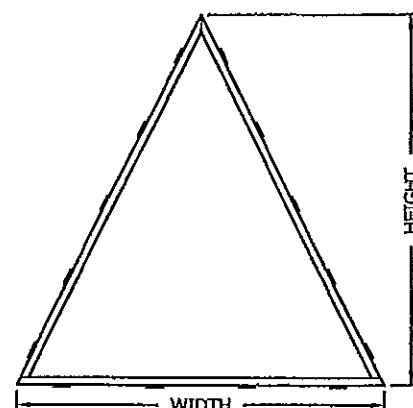
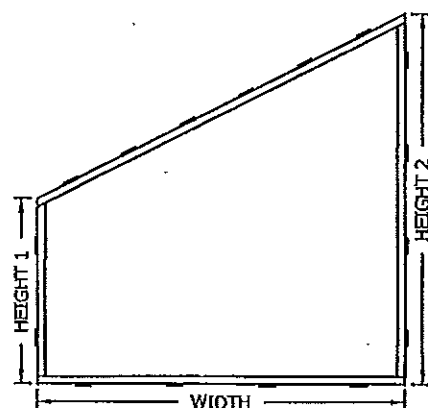
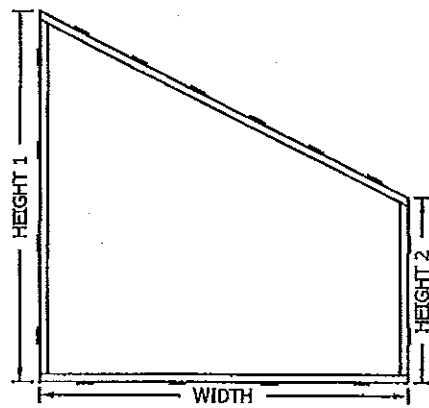


SLEEVE ELEV DTL 13 SLEEVE ATTACHMENT DTL
3"=1' 0" E5 E5



SLEEVE SECT DTL 14 SLEEVE ATTACHMENT DTL
3"=1' 0" E5 E5

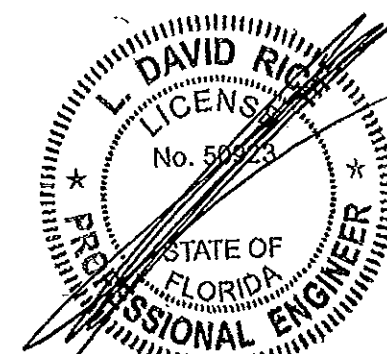
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| DRAWING DESC.: SLEEVED LOUVER DETAILS | | | | |
| PROJECT: EFD-637-MD | | | | |
| LOCATION: JUN 27 2011 | | | | |
| ARCHITECT: | | | | |
| CUSTOMER: | | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | DRAWING NO. DC-E5 |
| SCALE: 3/4" = 1' 0" | SHEET: 07 of 15 | | | |



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NOTE:
1) SHAPED LOUVER DIMENSIONS NOT TO EXCEED MAX SINGLE SECTION SIZES
2) SHAPED SECTIONS REQUIRE 1/2" x 1/16"-THICK STAINLESS STEEL MESH SCREEN (E-14) MOUNTED IN PLACE OF THE EXPANDED ALUMINUM SCREEN (E-13)
3) SEE TABLE 3, PAGE E1, FOR MAX CLIP SPACING

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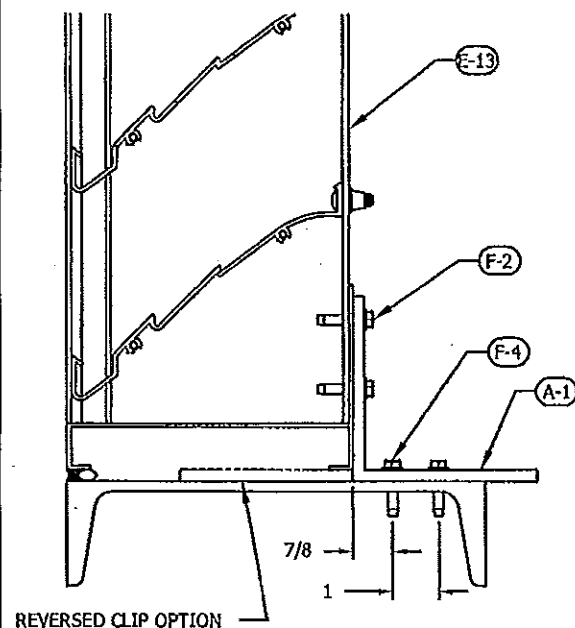
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5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110 **JUN 27 2011**

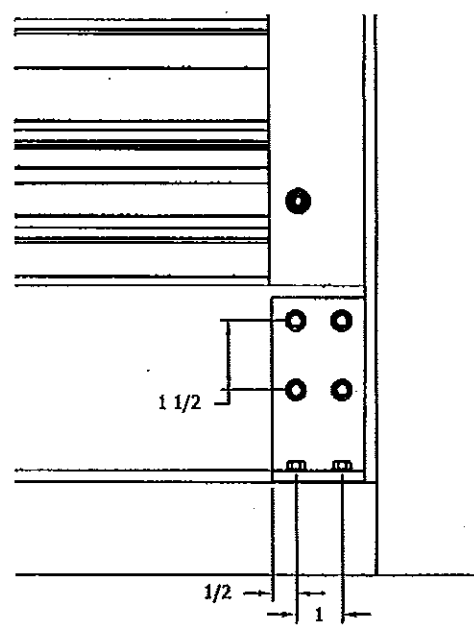
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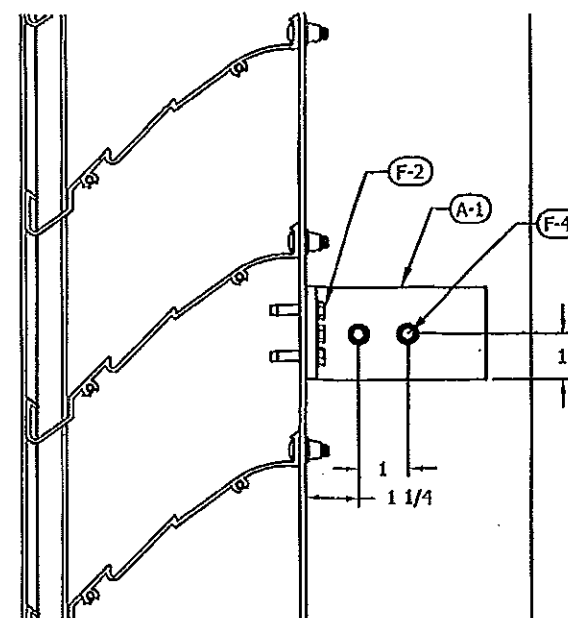
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| DRAWING DESC.: SHAPED LOUVER DETAILS (150 PSF ONLY) | | | | |
| PROJECT: EFD-637-MD | | | | |
| LOCATION: | | | | |
| ARCHITECT: | | | | |
| CUSTOMER: | | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | DRAWING NO. |
| SCALE: 3/4" = 1' 0" | SHEET: 08 of 15 | | | DC-E6 |



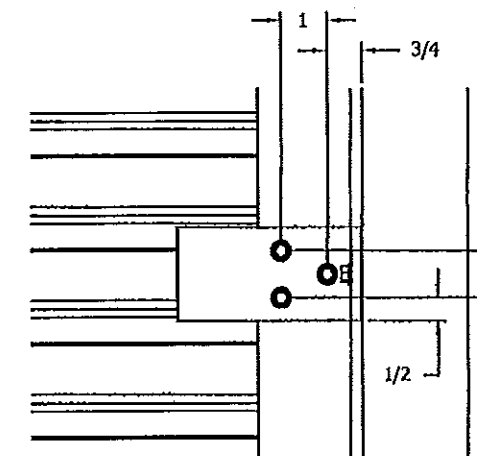
TOP & BTM SECT DTL (1) STEEL CONDITION
3" = 1' 0" D1/E1, E2



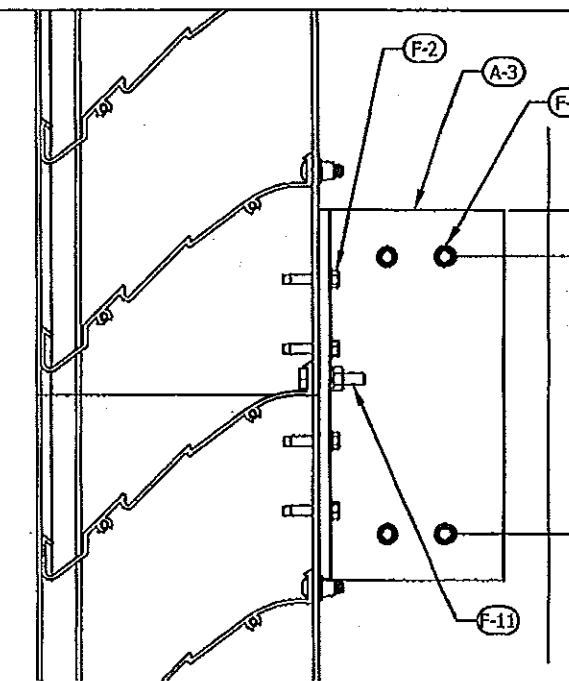
TOP & BTM ELEV DTL (2) STEEL CONDITION
3" = 1' 0" D1/E1, E2, E3, E4



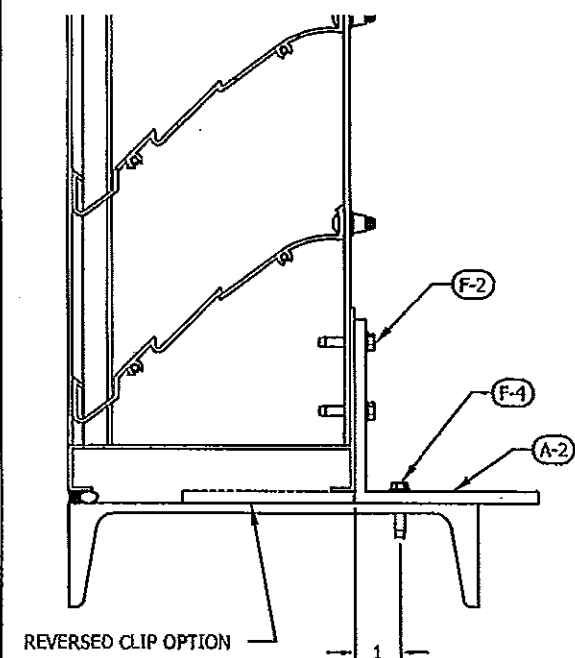
JAMB SECT DTL (3) STEEL CONDITION
3" = 1' 0" D1/E1, E2



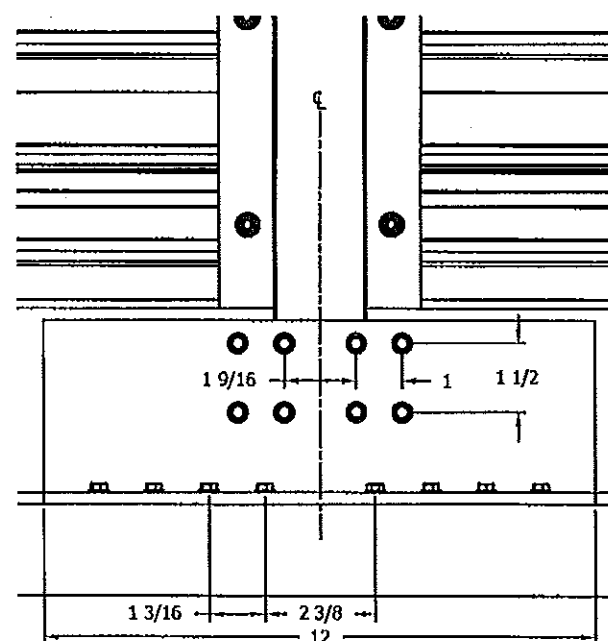
JAMB ELEV DTL (4) STEEL CONDITION
3" = 1' 0" D1/E1, E2, E3, E4



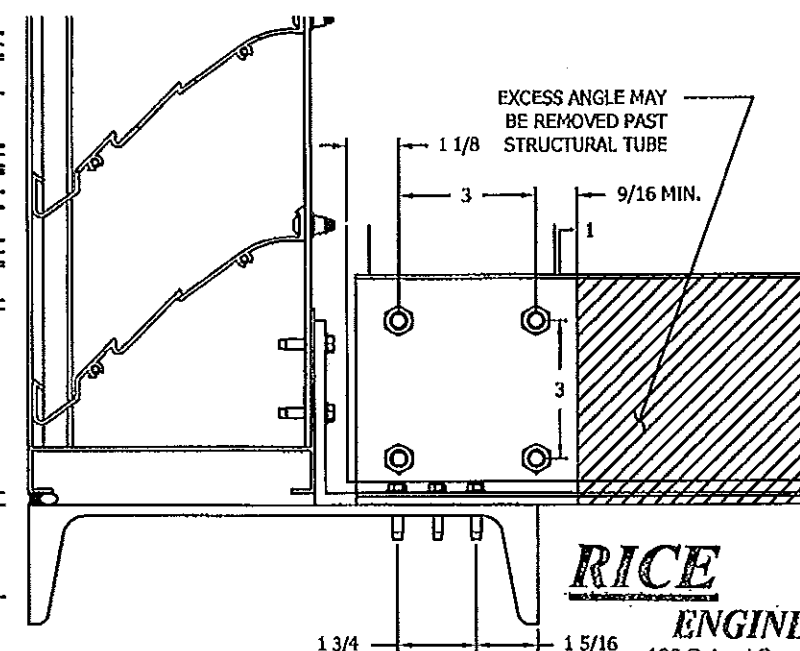
SPLICE SECT DTL (150 PSF) (9) STEEL CONDITION
3" = 1' 0" D1/E2



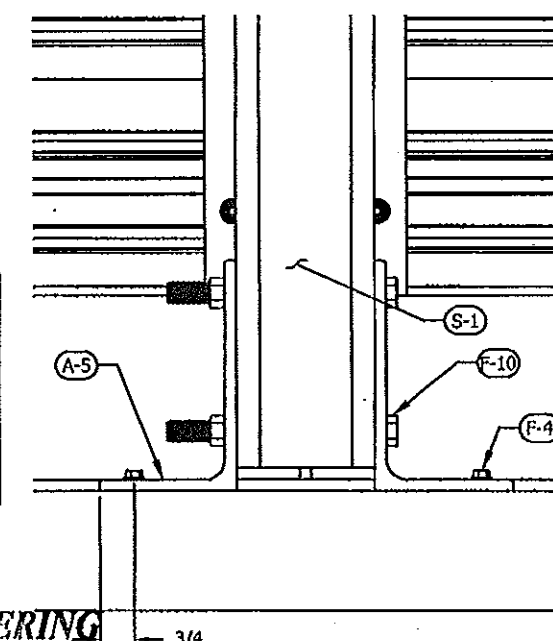
MULLION SECT DTL (80 PSF) (5) STEEL CONDITION
3" = 1' 0" D1/E3



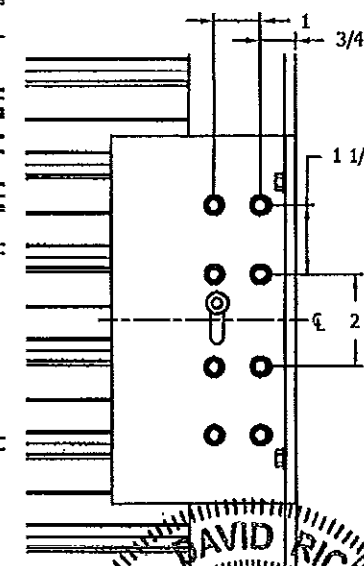
MULLION ELEV DTL (80 PSF) (6) STEEL CONDITION
3" = 1' 0" D1/E3



MULLION SECT DTL (150 PSF) (7) STEEL CONDITION
3" = 1' 0" D1/E4



MULLION ELEV DTL (150 PSF) (8) STEEL CONDITION
3" = 1' 0" D1/E4



SPLICE ELEV DTL (150 PSF) (10) STEEL CONDITION
3" = 1' 0" D1/E2

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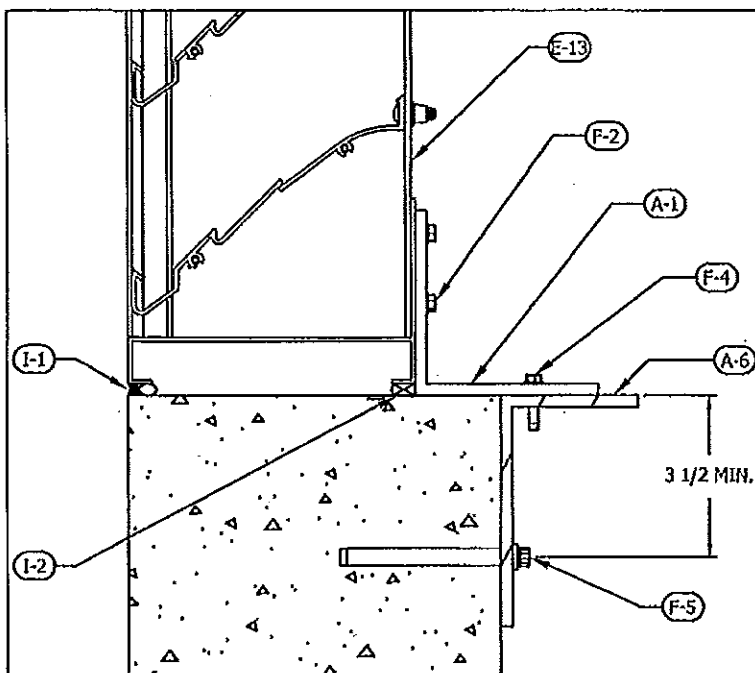
Florida Firm No: F-01000005061
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L. David Rice
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NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION
2) MULTIPLE SECTION HIGH LOUVERS TO USE WITH 150 PSF INSTALLATION ONLY

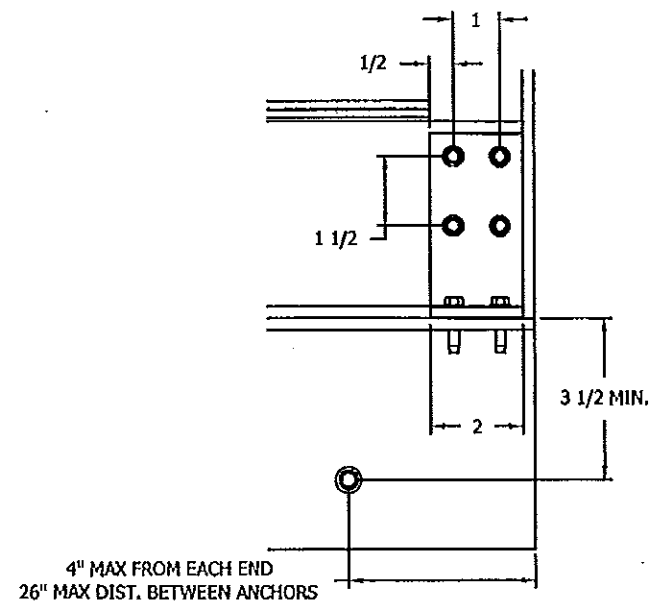
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| DRAWING DESC.: ATTACHMENT DETAILS, STEEL CONDITION, 80 & 150 PSF | | | |
| PROJECT: EFD-637-MD | | | |
| LOCATION: JUN 27 2011 | | | |
| ARCHITECT: | | | |
| CUSTOMER: | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. |
| SCALE: 3/4" = 1' 0" | SHEET: 09 of 15 | | DRAWING NO. DC-D1 |

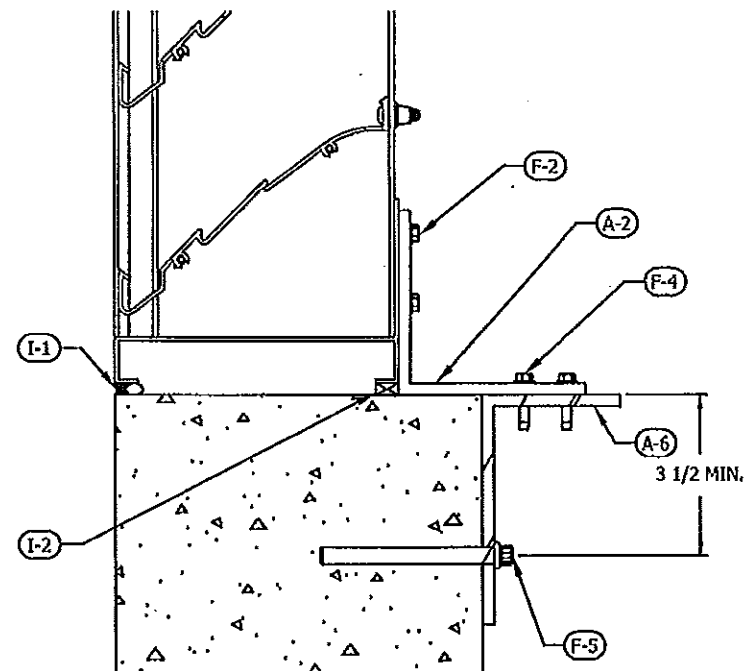
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|----------|------------------------------|--------|----------|
| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |



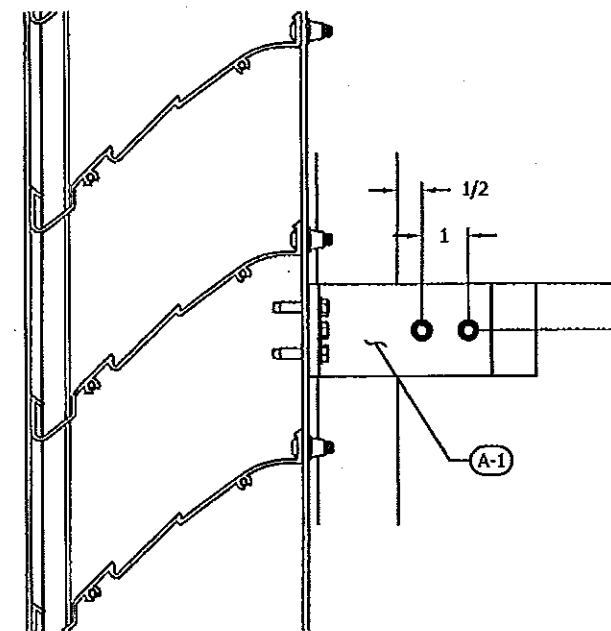
TOP & BTM SECT DTL 1 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E1, E2



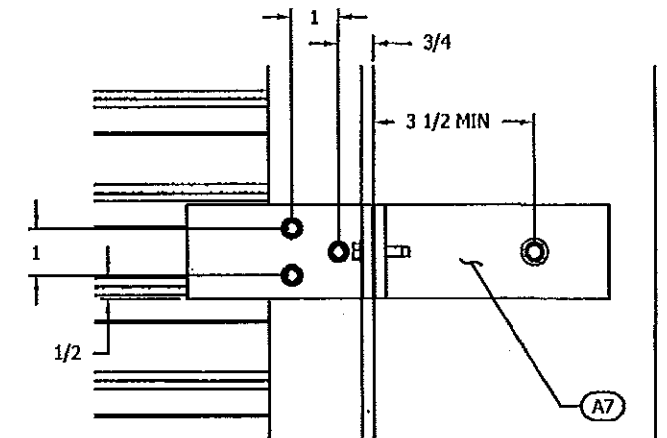
TOP & BTM ELEV DTL 2 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E1, E2, E3, E4



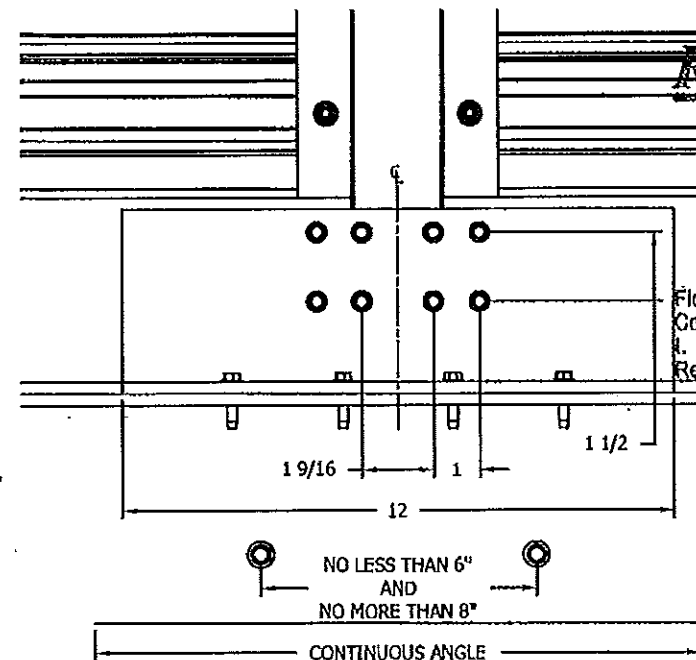
MULLION SECT DTL 5 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E3



JAMB SECT DTL 3 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E1, E2



JAMB ELEV DTL 4 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E1, E2, E3, E4



MULLION ELEV DTL 6 MASONRY (TENS. CONN, 80 PSF)
3" = 1' 0" D2 E3

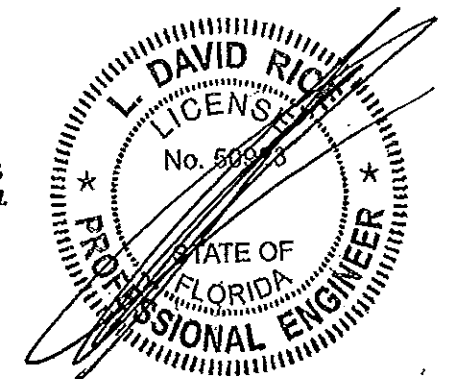
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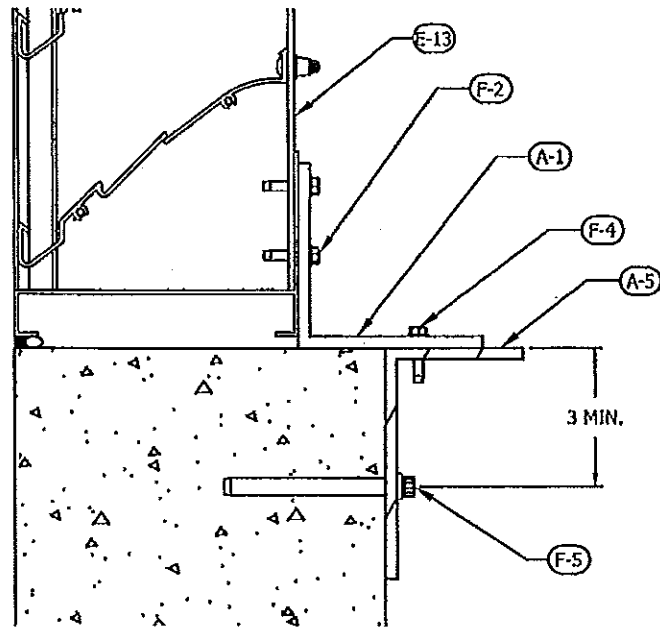
JUN 27 2011

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| DRAWING DESC.: ATTACHMENT DETAILS, MASONRY CONDITION, TENSION CONNECTION, 80 PSF | | | | |
| PROJECT: EFD-637-MD | | | | |
| LOCATION: | | | | |
| ARCHITECT: | | | | |
| CUSTOMER: | | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | DRAWING NO. |
| SCALE: 3/4" = 1' 0" | SHEET: 10 of 15 | | | DC-D2 |

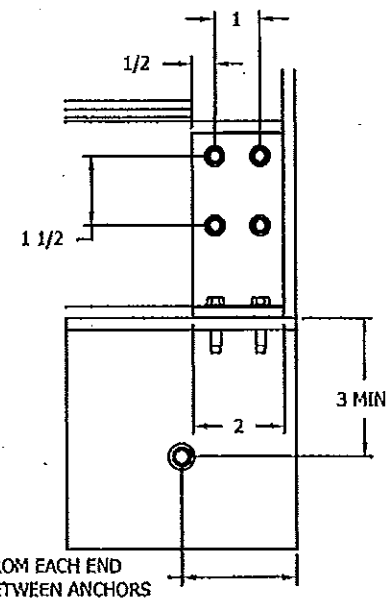
NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION

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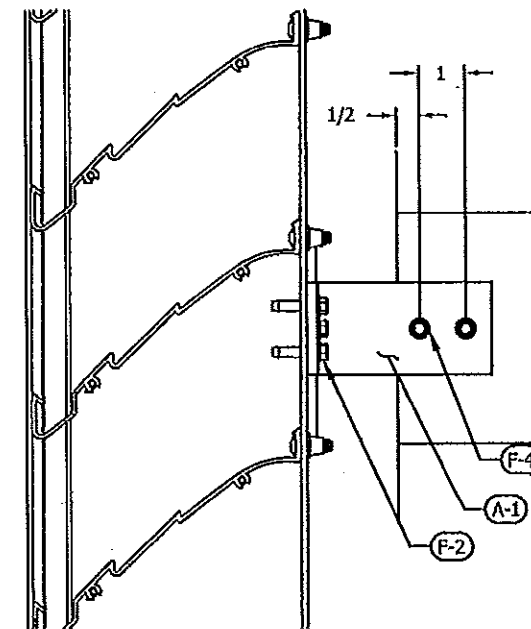
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| REV. NO. | DESCRIPTION | DATE | DRAWN BY |



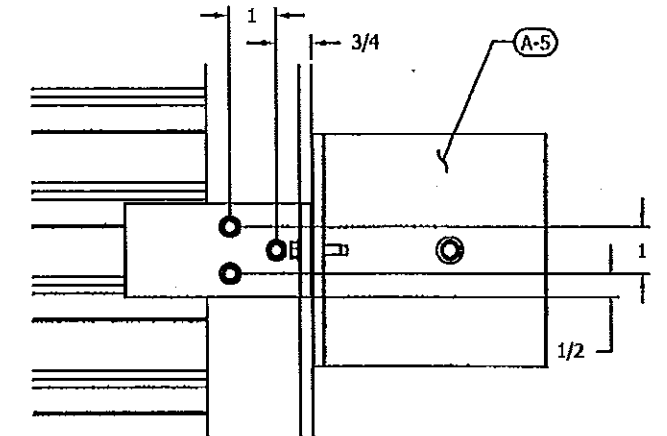
TOP & BTM SECT DTL 1 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E1, E2



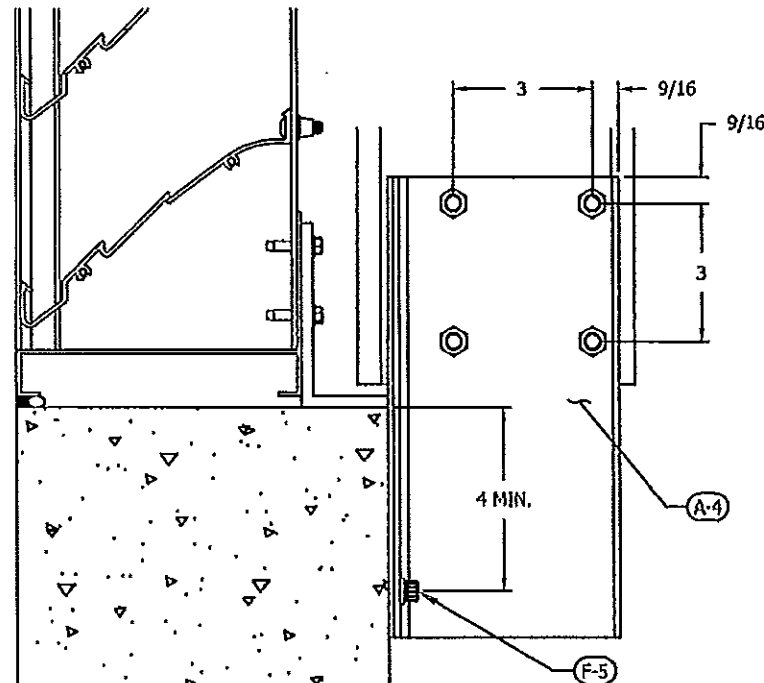
TOP & BTM ELEV DTL 2 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E1, E2, E3, E4



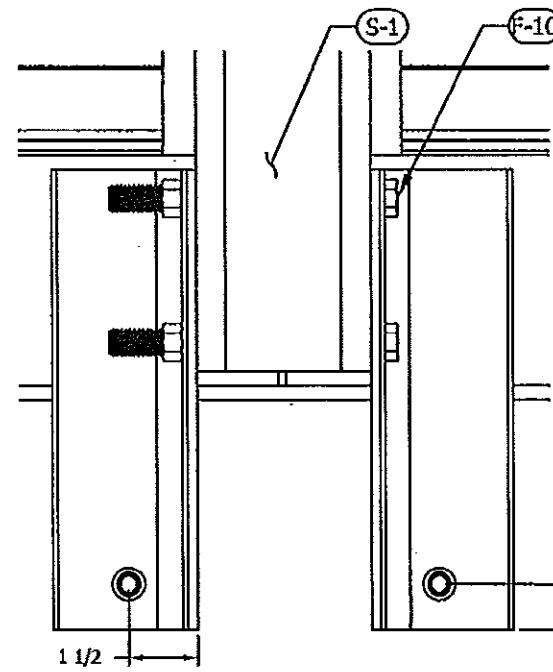
JAMB SECT DTL 3 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E1, E2



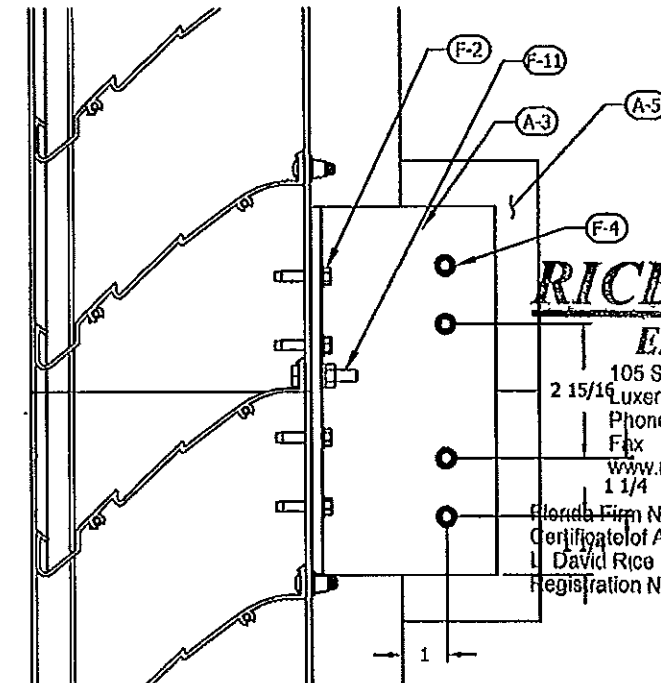
JAMB ELEV DTL 4 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E1, E2, E3, E4



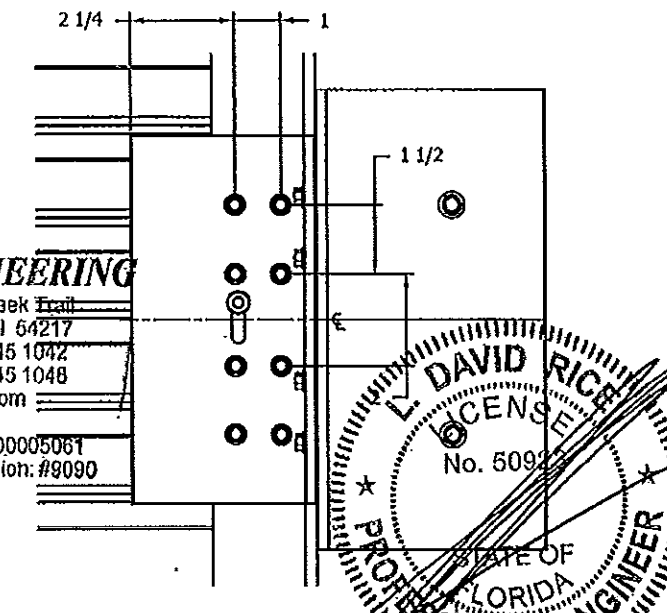
MULLION SECT DTL 7 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E4



MULLION ELEV DTL 8 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E4



SPLICE SECT DTL 9 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E2



SPLICE ELEV DTL (150 PSF) 10 MASONRY (TENS. CONN, 150 PSF)
3" = 1' 0" D3 E2

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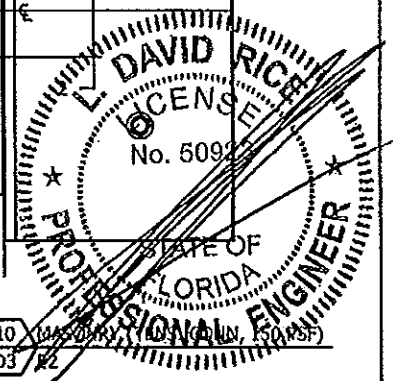
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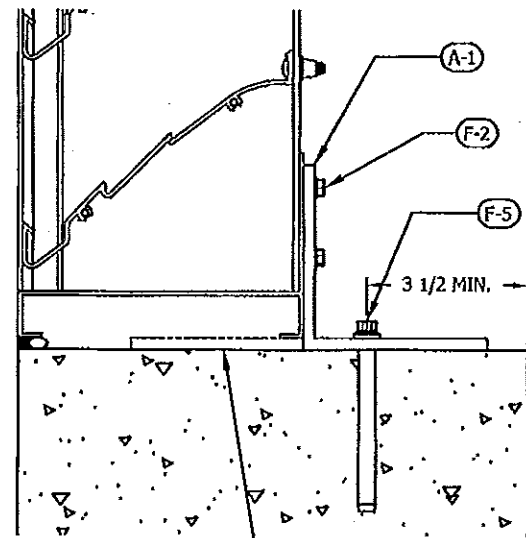
NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION
2) 3/8" HILTI KWIK BOLT 3 (F-9) MAY BE USED AS ALTERNATIVE FOR EPOXY ANCHOR (F-5), SEE SHEET 15

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| DRAWING DESC.: ATTACHMENT DETAILS, MASONRY CONDITION, TENSION CONNECTION, 150 PSF | | | | |
| PROJECT: EFD-637-MD | | | | |
| LOCATION: | | | | |
| ARCHITECT: | | | | |
| CUSTOMER: | | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. | DRAWING NO. DC-D3 |
| SCALE: 3/4" = 1' 0" | SHEET: 11 of 15 | | | |

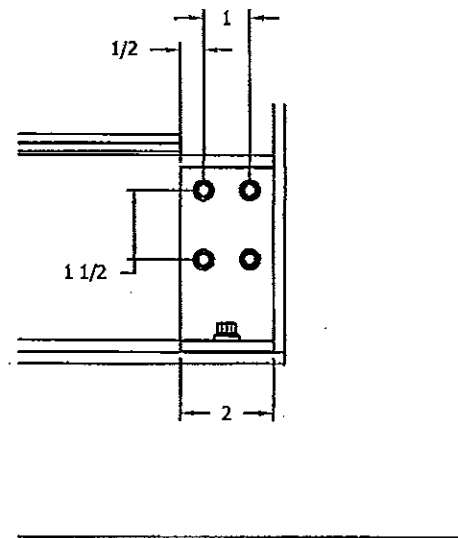


| REV. NO. | DESCRIPTION | DATE | DRAWN BY |
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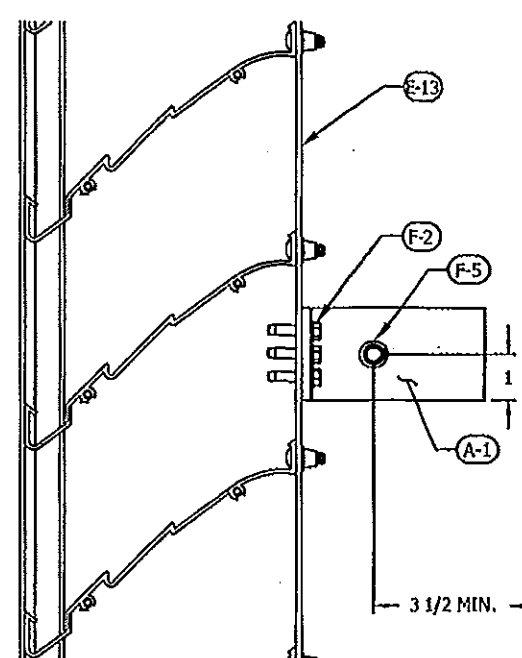


REVERSED CLIP OPTION

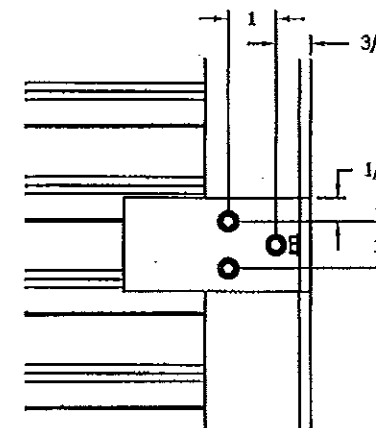
TOP & BTM SECT DTL 1 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E1, E2



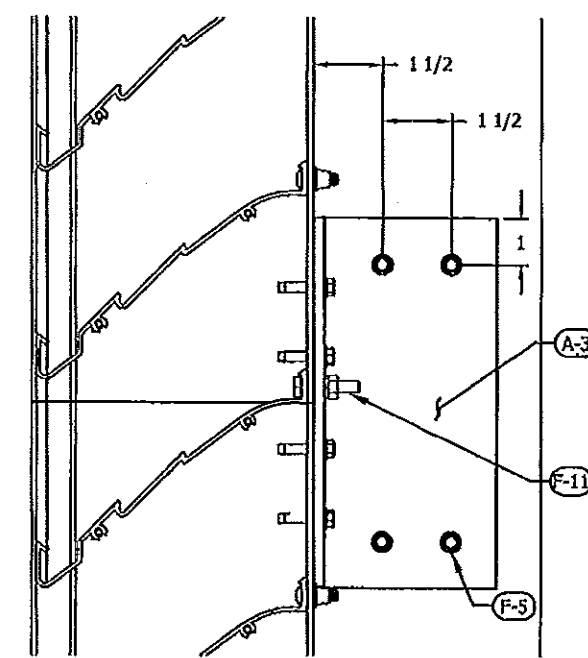
TOP & BTM ELEV DTL 2 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E1, E2, E3, E4



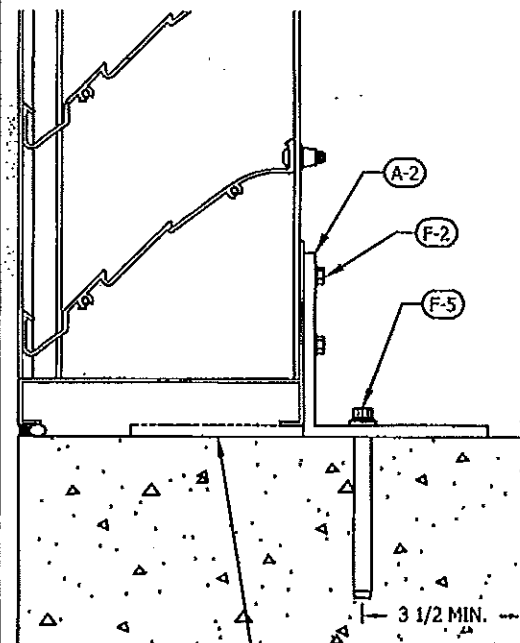
JAMB SECT DTL 3 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E1, E2



JAMB ELEV DTL 4 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E1, E2, E3, E4

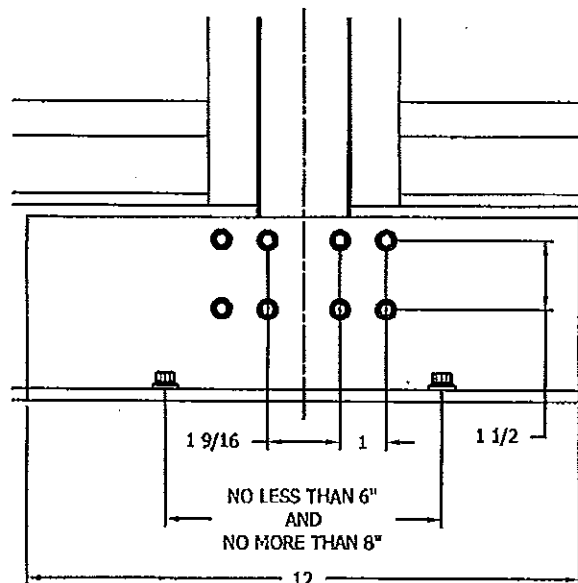


SPLICE SECT DTL (150 PSF) 9 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E2

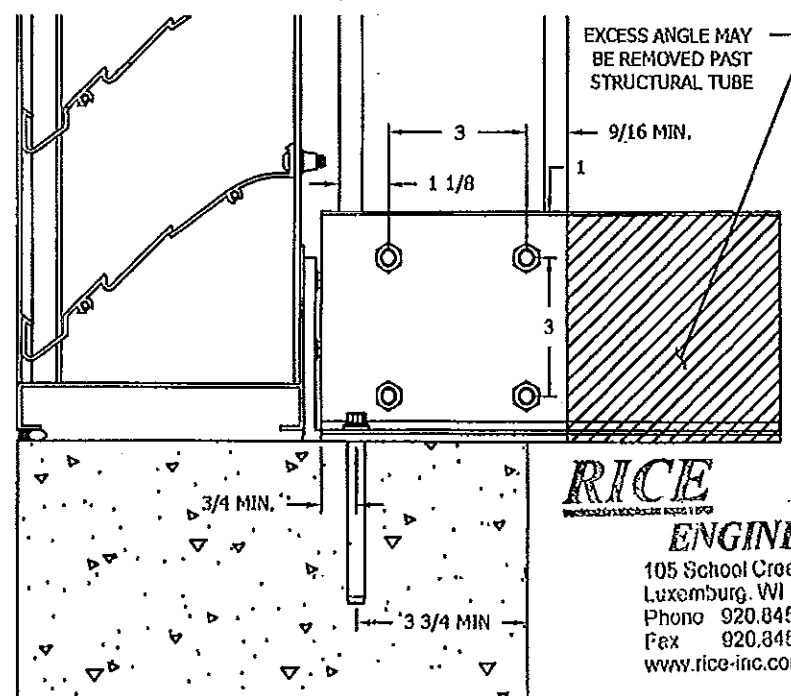


REVERSED CLIP OPTION

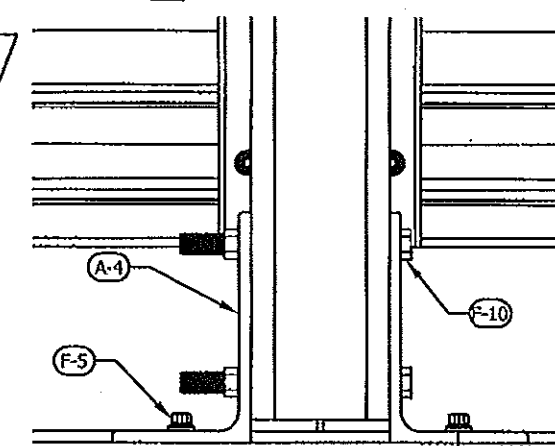
MULLION SECT DTL (80 PSF) 5 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E3



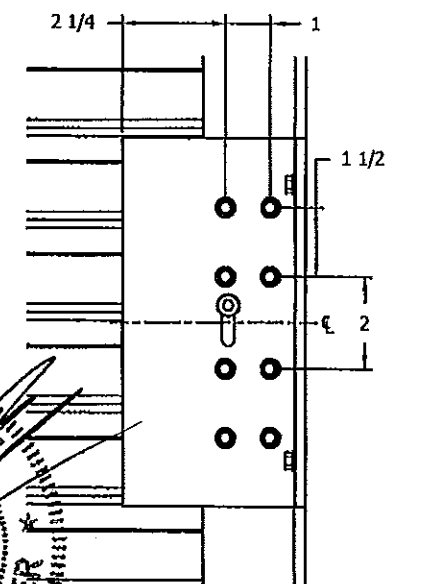
MULLION ELEV DTL (80 PSF) 6 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E3



MULLION SECT DTL (150 PSF) 7 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E4



MULLION ELEV DTL (150 PSF) 8 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E4



SPLICE SECT DTL (150 PSF) 10 MASONRY (SHEAR CONN)
3" = 1' 0" D4 E2

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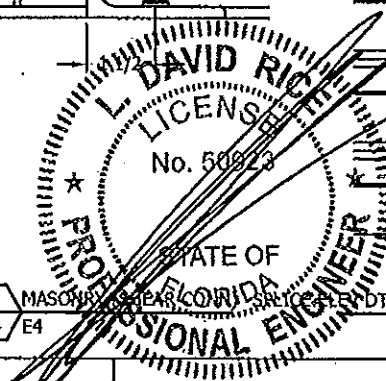
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NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION
2) HILTI KWIK BOLT 3 MAY BE USED AS ALTERNATIVE FOR EPOXY ANCHOR (F-5) ON
150 PSF INSTALLATION ONLY, SEE SHEET 15. 1/2" KWIK BOLT 3 (F-14) REQUIRED
FOR SHEAR CONNECTION AT MULLION, 3/8" KWIK BOLT 3 (F-9) EVERYWHERE ELSE.
3) MULTIPLE SECTION HIGH LOUVERS TO USE WITH 150 PSF INSTALLATION ONLY

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JUN 27 2011

DRAWING DESC.: ATTACHMENT DETAILS, MASONRY CONDITION, SHEAR CONNECTION, 80 & 150 PSF

PROJECT: EFD-637-MD

LOCATION:

ARCHITECT:

CUSTOMER:

DATE: 12/17/2010

DWN BY: TB

POTTORFF
ORDER NO.

CUSTOMER
P.O. NO.

DRAWING NO.

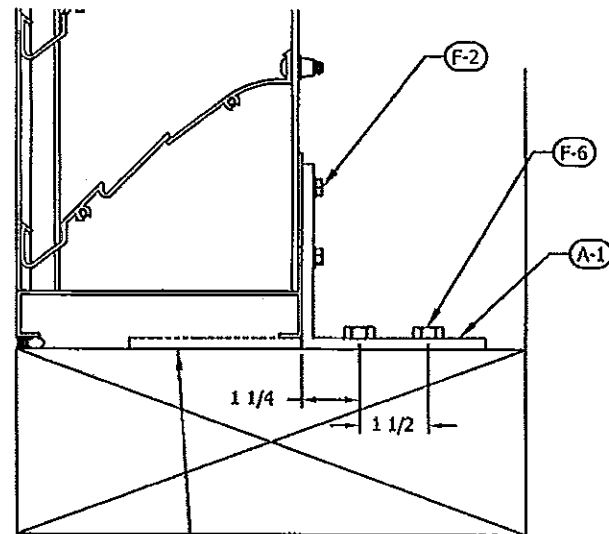
SCALE: 3/4" = 1' 0"

SHEET: 12 of 15

DC-D4

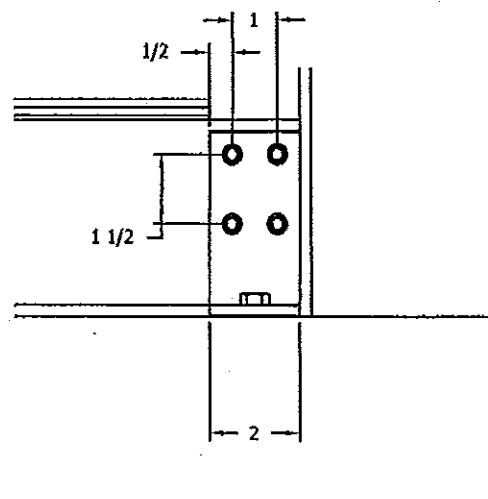
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| REV. NO. | DESCRIPTION | DATE | DRAWN BY |
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| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |

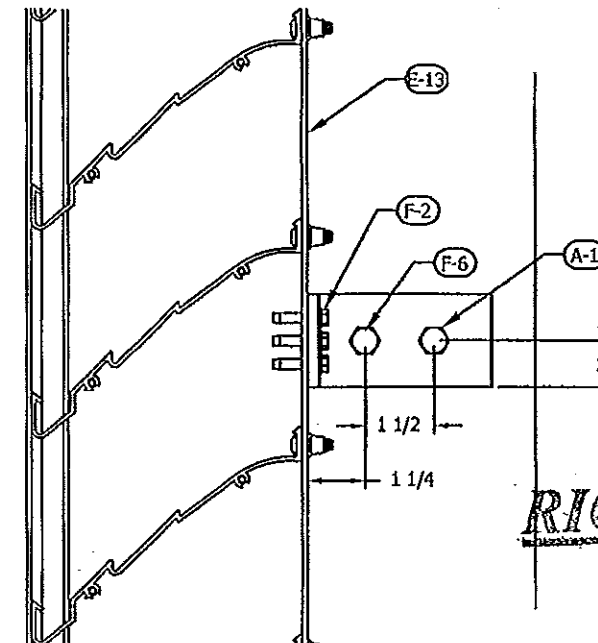


REVERSED CLIP OPTION

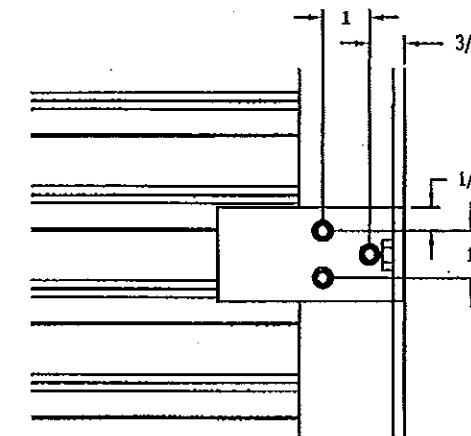
TOP & BTM SECT DTL 1 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E1, E2



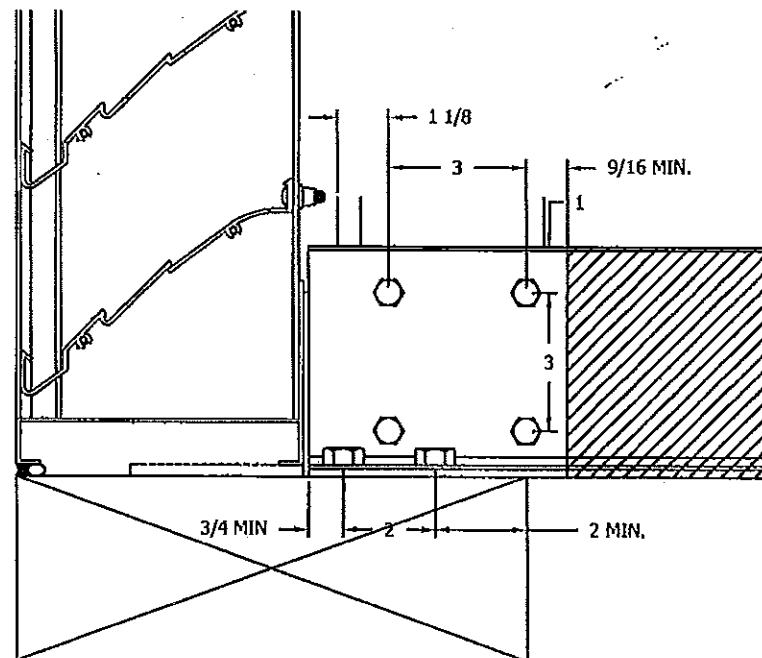
TOP & BTM ELEV DTL 2 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E1, E2, E3, E4



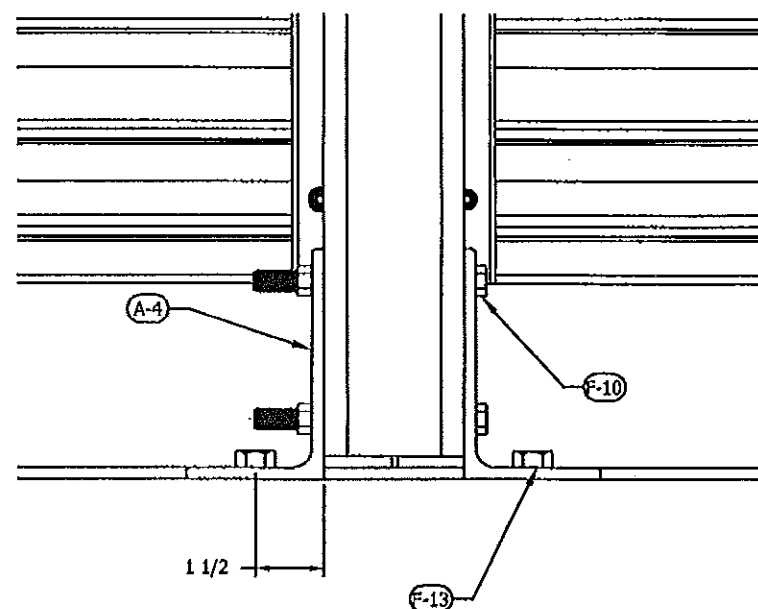
JAMB SECT DTL 3 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E1, E2, E3, E4



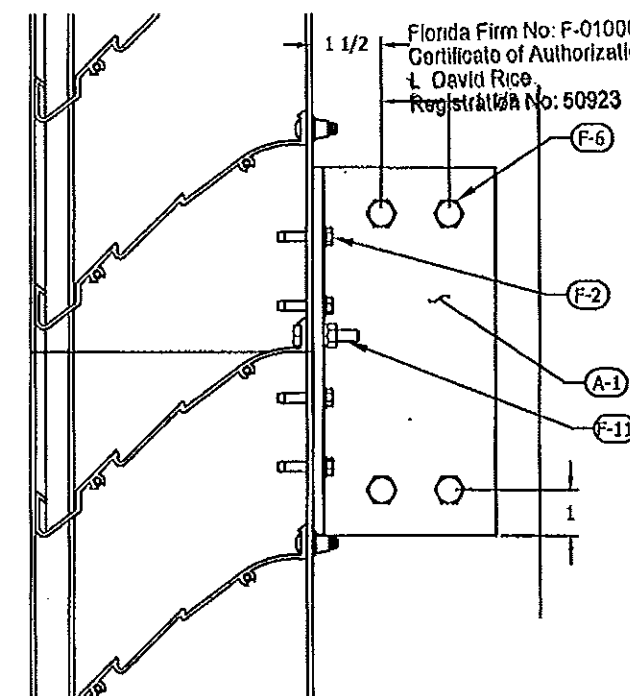
JAMB ELEV DTL 4 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E1, E2, E3, E4



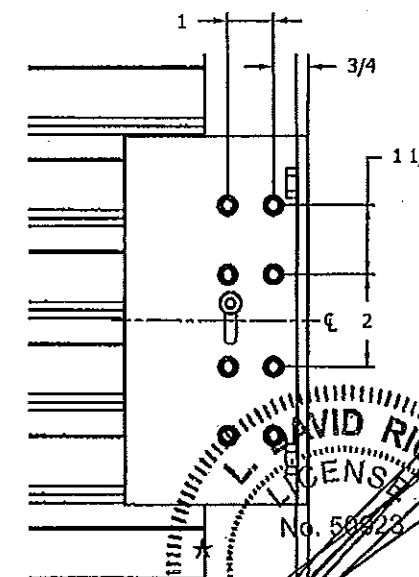
MULLION SECT DTL 7 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E4



MULLION ELEV DTL 8 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E4



SPLICE SECT DTL 9 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E2

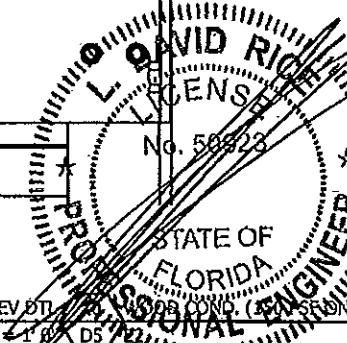


SPLICE ELEV DTL 10 WOOD COND. (150 PSF ONLY)
3" = 1' 0" D5/E2

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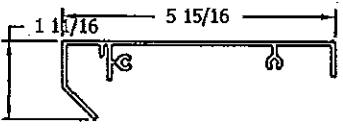
NOTE:
1) INSTALLER TO PROVIDE GASKET MATERIAL FOR DISSIMILAR METAL SEPARATION
2) WOOD CONDITION TO BE GROUP 3 MINIMUM LUMBER GRADE AS IDENTIFIED BY
THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

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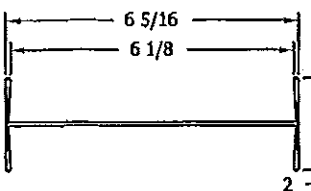
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| DRAWING DESC.: ATTACHMENT DETAILS, WOOD CONDITION, 150 PSF ONLY | | | |
| PROJECT: EFD-637-MD | | | |
| LOCATION: | | | |
| ARCHITECT: | | | |
| CUSTOMER: | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. |
| SCALE: 3/4" = 1' 0" | SHEET: 13 of 15 | DRAWING NO. DC-D5 | |

| REV. NO. | DESCRIPTION | DATE | DRAWN BY |
|----------|------------------------------|--------|----------|
| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |

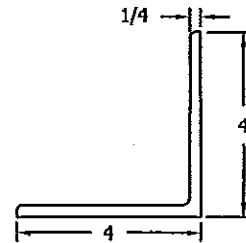
PART #: E-1
PART NAME: LOUVER HEAD
MATERIAL: 0.081" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



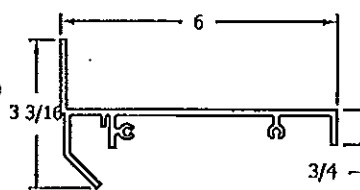
PART #: E-6
PART NAME: I-MULLION
MATERIAL: 0.078" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



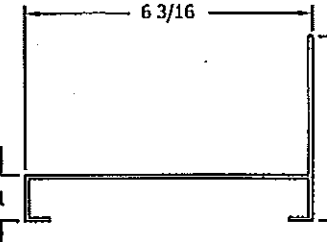
PART #: A-2
PART NAME: MULLION CLIP ANGLE
MATERIAL: 4" x 4" x 1/4" x 12" L 6061-T6
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



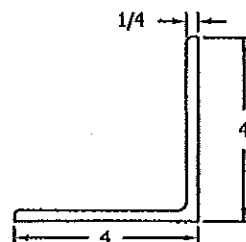
PART #: E-2
PART NAME: LOUVER HEAD, FLANGED
MATERIAL: 0.081" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



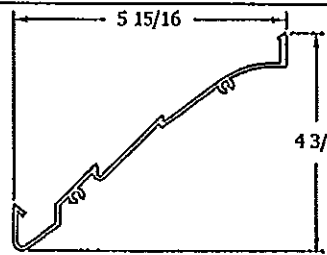
PART #: E-7
PART NAME: LOUVER SILL
MATERIAL: 0.081" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



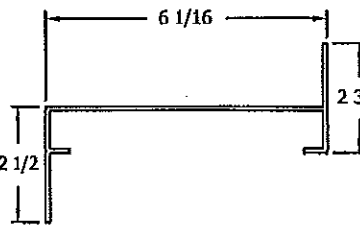
PART #: A-3
PART NAME: SPLICE ANGLE
MATERIAL: 4" x 4" x 1/4" x 8" L 6061-T6
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



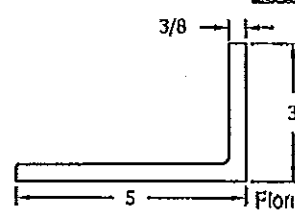
PART #: E-3
PART NAME: LOUVER BLADE
MATERIAL: 0.081" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



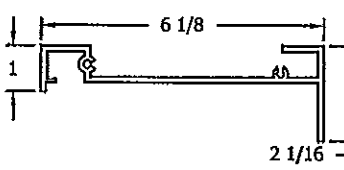
PART #: E-8
PART NAME: LOUVER SILL, FLANGED
MATERIAL: 0.081" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



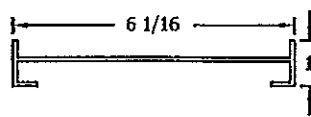
PART #: A-4
PART NAME: STRUCTURAL ANGLE, LONG
MATERIAL: 5" x 3" x 3/8" x 10" L 6061-T6
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



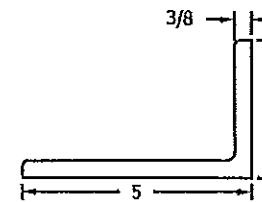
PART #: E-4
PART NAME: LOUVER JAMB
MATERIAL: 0.125" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



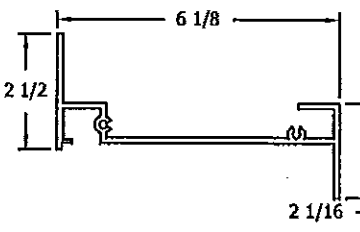
PART #: E-12
PART NAME: ROLLFRAME EXTRUSION
MATERIAL: 0.081" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



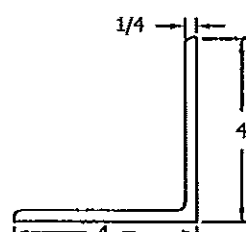
PART #: A-5
PART NAME: STRUCTURAL ANGLE, SHORT
MATERIAL: 5" x 3" x 3/8" x 5" L 6061-T6
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



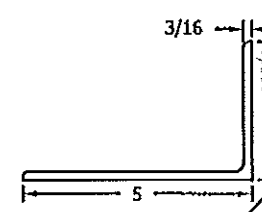
PART #: E-5
PART NAME: LOUVER JAMB, FLANGED
MATERIAL: 0.125" THICK 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



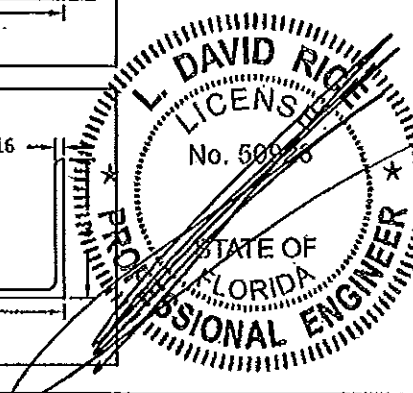
PART #: A-1
PART NAME: CLIP ANGLE
MATERIAL: 4" x 4" x 1/4" x 2" L 6061-T6
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



PART #: A-6
PART NAME: CONTINUOUS ANGLE
MATERIAL: 5" x 3" x 3/16" 6063-T5
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



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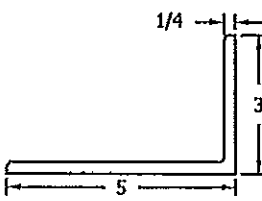
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| DRAWING DESC.: BILL OF MATERIALS | | | |
| PROJECT: EPD-637-MD | | | |
| LOCATION: | | | |
| ARCHITECT: | | | |
| CUSTOMER: | | | |
| DATE: 12/17/2010 | DWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. |
| SCALE: 3" = 1'-0" | SHEET: 14 of 15 | DRAWING NO. DC-B1 | |

| REV. NO. | DESCRIPTION | DATE | DRAWN BY |
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| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |

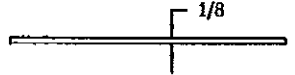
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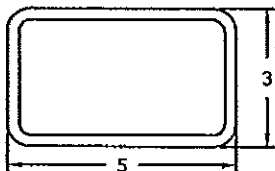
PART #: A-7
PART NAME: INTERMEDIATE JAMB CONDITION
CLIP ANGLE
MATERIAL: 5" x 3" x 1/4" x 2" L 6063-TS
EXTRUDED ALUMINUM
SCALE: 3" = 1'-0"



PART #: L-1
PART NAME: SLEEVE
MATERIAL: 0.125" THICK 5052-H32
SHEET ALUMINUM
SCALE: 3" = 1'-0"



PART #: S-1
PART NAME: TUBE SUPPORT BY OTHERS
MATERIAL: 5" x 3" x 1/4" ASTM A36
STRUCTURAL TUBE STEEL
SCALE: 3" = 1'-0"



| MISC. FASTENERS | |
|-----------------|---|
| PART # | DESCRIPTION |
| F-1 | #10-24 X 3/4"L, 410 S.S., 'F' POINT THREAD-CUTTING MACHINE SCREW, BRIGHT HARDENED, PASSIVATED & WAXED, MADE IN U.S.A. |
| F-2 | #12-24 X 1"L, 410 S.S., 'F' POINT THREAD-CUTTING MACHINE SCREW, BRIGHT HARDENED, PASSIVATED & WAXED, MADE IN U.S.A. |
| F-3 | #10-24 X 3/4"L, 410 S.S., SELF-DRILLING TEK MACHINE SCREW |
| F-4 | #12-24 X 1"L, 410 S.S., SELF-DRILLING TEK MACHINE SCREW |
| F-5 | Ø3/8" x 3/8"L HILTI HIT HY 150 MAX EPOXY INJECTED ADHESIVE ANCHOR W/ 5/8"L S.S. HAS ROD, EMBEDMENT DEPTH OF 3 1/2" |
| F-6 | 3/8- x 2 1/2" STEEL LAG BOLT, ZINC PLATED W/ STEEL FLAT WASHER, ZINC PLATED |
| F-7 | 5/16-18 1 1/4" L ROUND HEAD, SQUARE NECK BOLT & 5/16-18 FLANGED HEX NUT |
| F-8 | 1/4-20 x 1 1/4" L HEX HEAD BOLT & 1/4-20 HEX NUT |
| F-9 | Ø3/8" x 5"L S.S. HILTI KWIK-BOLT 3, EMBEDMENT DEPTH OF 3 1/2" |
| F-10 | 3/8-16 x 5" L S.S. HEX HEAD BOLT & 3/8-16 HEX NUT |
| F-11 | 1/4-20 x 1 1/4" SST HEX HEAD BOLT, (2) SST FLAT WASHER & 1/4-20 SST HEX NUT |
| F-12 | 1/4" HUCK MAGNA GRIP LOCK BOLT, PIN & COLLAR, ALUMINUM |
| F-13 | 1/2- x 3 1/2" STEEL LAG BOLT, ZINC PLATED W/ STEEL FLAT WASHER, ZINC PLATED |
| F-14 | Ø1/2" x 4 1/2"L S.S. HILTI KWIK-BOLT 3, EMBEDMENT DEPTH OF 3 1/2" |

| INSTALLATION NOTES | |
|--------------------|---|
| PART # | DESCRIPTION |
| I-1 | SEALANT AND BACKER ROD PROVIDED BY INSTALLER (TYP) |
| I-2 | SHIM AS REQUIRED TO MAKE LEVEL AND PLUMB, PROVIDED BY INSTALLER (TYP) |

| SCREEN & FRAME | |
|----------------|--|
| PART # | DESCRIPTION |
| E-13 | SCREEN FRAME, 0.065" THICK, 6063-T5 EXTRUDED ALUMINUM W/ 1/2" x 0.050" EXPANDED ALUMINUM MESH SCREEN |
| E-14 | SCREEN FRAME, 0.065" THICK, 6063-T5 EXTRUDED ALUMINUM W/ 1/2" x 0.063" S.S. MESH MIRD SCREEN |

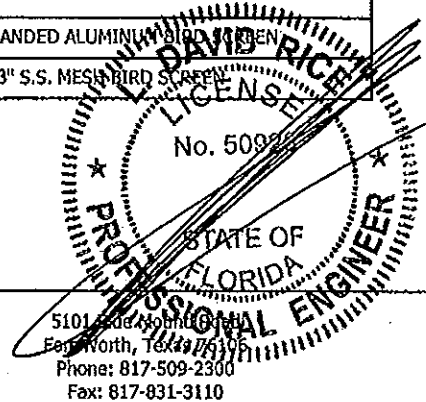
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| PROJECT: EFD-637-MD | | | |
| LOCATION: | | | |
| ARCHITECT: | | | |
| CUSTOMER: | | | |
| DATE: 12/17/2010 | OWN BY: TB | POTTORFF ORDER NO. | CUSTOMER P.O. NO. |
| SCALE: 3" = 1' 0" | SHEET: 15 of 15 | DRAWING NO. DC-B2 | |

| FILE: | | | |
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| REV. NO. | DESCRIPTION | DATE | DRAWN BY |
| 1 | MADE CHG'S PER 6/7/11 LETTER | 6/9/11 | NW |

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